TOBACCO INSTITUTE TESTING LABORATORY

PER CIGARETTE

AND

PER PUFF DATA

MARKET SAMPLE NO. 24

PM3000762461

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

PART I

PER CIGARETTE DATA

PM3000762462

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Alpine | $\bar{x}$ | 15.0±0.5 | 1.01±0.03 | 2.1±0.1 | 18.2±0.6 | 8.2±0.2 |
| king size, | s | 1.1 | 0.06 | 0.3 | 1.4 | 0.4 |
| filter menthol | CV | 7.4 | 6.4 | 15.4 | 7.9 | 5.2 |
| American Lights | $\bar{x}$ | 8.5±0.2 | 0.77±0.02 | 0.8±0.1 | 10.0±0.3 | 11.0±0.2 |
| 120 mm. | s | 0.5 | 0.05 | 0.1 | 0.6 | 0.4 |
| filter | CV | 5.9 | 6.5 | 14.2 | 5.8 | 3.7 |
| American Lights | $\bar{x}$ | 9.3±0.2 | 0.84±0.02 | 0.9±0.05 | 11.0±0.3 | 9.5±0.1 |
| 120 mm. | s | 0.5 | 0.04 | 0.1 | 0.6 | 0.3 |
| filter menthol | CV | 5.5 | 4.4 | 11.8 | 5.2 | 3.4 |
| Arctic Lights | $\bar{x}$ | 8.8±0.3 | 0.79±0.03 | 0.9±0.04 | 10.4±0.3 | 8.4±0.3 |
| king size, | s | 0.6 | 0.06 | 0.1 | 0.7 | 0.7 |
| filter menthol | CV | 6.9 | 7.9 | 11.2 | 6.7 | 8.1 |
| Arctic Lights | $\bar{x}$ | 9.5±0.3 | 0.85±0.02 | 0.9±0.1 | 11.2±0.3 | 10.5±0.2 |
| 100 mm. | s | 0.6 | 0.04 | 0.1 | 0.7 | 0.4 |
| filter menthol | CV | 5.9 | 4.7 | 14.6 | 6.2 | 3.5 |
| Aspen | $\bar{x}$ | 8.6±0.2 | 0.81±0.02 | 0.9±0.1 | 10.3±0.2 | 6.9±0.1 |
| king size, | s | 0.5 | 0.04 | 0.1 | 0.5 | 0.2 |
| filter menthol | CV | 5.3 | 5.1 | 14.4 | 5.2 | 3.5 |
| Aspen 100s | $\bar{x}$ | 9.0±0.3 | 0.87±0.02 | 0.9±0.05 | 10.7±0.4 | 8.3±0.1 |
| 100 mm. | s | 0.7 | 0.05 | 0.1 | 0.8 | 0.3 |
| filter menthol | CV | 7.7 | 5.4 | 12.5 | 7.7 | 3.0 |
| Belair | $\bar{x}$ | 9.2±0.2 | 0.88±0.02 | 1.1±0.1 | 11.1±0.3 | 7.8±0.2 |
| king size, | s | 0.5 | 0.05 | 0.2 | 0.6 | 0.4 |
| filter menthol | CV | 5.3 | 6.0 | 16.8 | 5.8 | 4.5 |
| Belair | $\bar{x}$ | 8.6±0.3 | 0.74±0.02 | 0.8±0.05 | 10.1±0.3 | 9.3±0.1 |
| 100 mm. | s | 0.7 | 0.05 | 0.1 | 0.7 | 0.3 |
| filter menthol | CV | 7.7 | 6.9 | 13.6 | 7.3 | 3.3 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Benson & Hedges regular size, filter | $\bar{x}$ | 1.2±0.1 | 0.12±0.01 | 0.1±0.04 | 1.4±0.1 | 6.2±0.2 |
| | s | 0.2 | 0.02 | 0.1 | 0.2 | 0.5 |
| | CV | 20.2 | 12.5 | 63.1 | 17.5 | 7.3 |
| Benson & Hedges king size, filter hard pack | $\bar{x}$ | 16.4±0.5 | 1.41±0.05 | 2.5±0.2 | 20.3±0.7 | 8.3±0.2 |
| | s | 1.2 | 0.11 | 0.5 | 1.7 | 0.5 |
| | CV | 7.0 | 8.0 | 17.9 | 8.2 | 5.8 |
| Benson & Hedges 100's 100 mm. filter hard pack | $\bar{x}$ | 16.4±0.3 | 1.17±0.02 | 2.2±0.1 | 19.8±0.4 | 9.1±0.1 |
| | s | 0.6 | 0.05 | 0.3 | 0.8 | 0.2 |
| | CV | 3.7 | 4.3 | 13.4 | 4.2 | 2.4 |
| Benson & Hedges 100's 100 mm. filter menthol hard pack | $\bar{x}$ | 16.2±0.3 | 1.16±0.02 | 2.0±0.1 | 19.4±0.4 | 9.1±0.1 |
| | s | 0.8 | 0.05 | 0.3 | 1.0 | 0.3 |
| | CV | 4.7 | 4.0 | 13.7 | 4.9 | 3.0 |
| Benson & Hedges 100's 100 mm. filter soft pack | $\bar{x}$ | 16.3±0.3 | 1.18±0.02 | 2.1±0.2 | 19.6±0.5 | 9.3±0.1 |
| | s | 0.7 | 0.05 | 0.4 | 1.1 | 0.3 |
| | CV | 4.5 | 4.1 | 18.1 | 5.7 | 3.2 |
| Benson & Hedges 100's 100 mm. filter menthol soft pack | x | 15.9±0.3 | 1.15±0.02 | 1.9±0.1 | 19.0±0.4 | 9.2±0.2 |
| | s | 0.7 | 0.04 | 0.2 | 0.8 | 0.4 |
| | CV | 4.1 | 3.1 | 11.6 | 4.3 | 3.9 |
| Benson & Hedges Lights 100 mm. filter | $\bar{x}$ | 10.1±0.3 | 0.81±0.02 | 1.1±0.04 | 12.0±0.3 | 9.1±0.3 |
| | s | 0.6 | 0.04 | 0.1 | 0.7 | 0.7 |
| | CV | 6.3 | 5.0 | 7.4 | 5.9 | 8.3 |
| Benson & Hedges Lights 100 mm. filter menthol | $\bar{x}$ | 10.7±0.4 | 0.83±0.02 | 1.2±0.1 | 12.7±0.4 | 8.8±0.2 |
| | s | 0.8 | 0.05 | 0.1 | 0.9 | 0.4 |
| | CV | 7.4 | 5.5 | 12.2 | 7.2 | 4.1 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Brookwood king size, filter menthol | $\bar{x}$ | 7.7±0.2 | 0.78±0.01 | 0.8±0.1 | 9.3±0.2 | 7.8±0.1 |
| | s | 0.5 | 0.03 | 0.2 | 0.5 | 0.2 |
| | CV | 6.0 | 3.6 | 20.0 | 5.6 | 2.3 |
| Bull Durham king size, filter | $\bar{x}$ | 29.1±0.5 | 2.00±0.04 | 6.0±0.4 | 37.2±0.8 | 10.3±0.2 |
| | s | 1.2 | 0.08 | 0.8 | 1.9 | 0.5 |
| | CV | 4.2 | 4.2 | 13.0 | 5.1 | 4.5 |
| Camel regular size, non-filter | $\bar{x}$ | 26.1±0.4 | 1.95±0.04 | 4.5±0.3 | 32.6±0.7 | 7.3±0.1 |
| | s | 1.0 | 0.09 | 0.7 | 1.6 | 0.2 |
| | CV | 3.8 | 4.4 | 14.4 | 4.8 | 3.1 |
| Camel king size, filter | $\bar{x}$ | 18.9±0.4 | 1.45±0.03 | 4.3±0.3 | 24.6±0.6 | 8.2±0.1 |
| | s | 0.8 | 0.07 | 0.6 | 1.3 | 0.3 |
| | CV | 4.2 | 4.7 | 14.2 | 5.3 | 3.1 |
| Camel Lights king size, filter | $\bar{x}$ | 10.4±0.2 | 0.96±0.02 | 1.2±0.1 | 12.6±0.3 | 7.7±0.2 |
| | s | 0.5 | 0.04 | 0.2 | 0.6 | 0.4 |
| | CV | 4.7 | 4.5 | 16.1 | 4.7 | 4.9 |
| Camel Lights 100 mm. filter | $\bar{x}$ | 12.7±0.3 | 1.03±0.03 | 1.4±0.1 | 15.1±0.3 | 8.9±0.1 |
| | s | 0.6 | 0.06 | 0.2 | 0.7 | 0.3 |
| | CV | 4.7 | 5.8 | 11.6 | 4.7 | 3.3 |
| Carlton king size, filter hard pack | $\bar{x}$ | 0.3±0.1 | 0.06±0.005 | 0.05±0.02 | 0.4±0.1 | 6.8±0.2 |
| | s | 0.2 | 0.01 | 0.05 | 0.2 | 0.4 |
| | CV | 67.7 | 18.2 | 98.4 | 47.7 | 5.7 |
| Carlton king size, filter soft pack | $\bar{x}$ | 1.2±0.1 | 0.15±0.01 | 0.1±0.03 | 1.5±0.1 | 6.4±0.1 |
| | s | 0.3 | 0.02 | 0.1 | 0.3 | 0.3 |
| | CV | 22.5 | 12.4 | 67.8 | 19.4 | 3.9 |
| Carlton king size, filter menthol | $\bar{x}$ | 0.8±0.1 | 0.11±0.01 | 0.1±0.04 | 1.0±0.1 | 6.1±0.1 |
| | s | 0.2 | 0.01 | 0.1 | 0.2 | 0.2 |
| | CV | 24.7 | 13.4 | 87.0 | 19.6 | 3.1 |



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| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Carlton 100's | $\bar{x}$ | 4.6±0.2 | 0.42±0.02 | 0.4±0.1 | 5.4±0.2 | 8.3±0.2 |
| 100 mm. | s | 0.5 | 0.04 | 0.2 | 0.5 | 0.5 |
| filter | CV | 9.9 | 8.5 | 34.8 | 9.8 | 6.5 |
| Carlton 100's | $\bar{x}$ | 4.0±0.3 | 0.38±0.03 | 0.3±0.1 | 4.7±0.4 | 8.1±0.2 |
| 100 mm. | s | 0.7 | 0.06 | 0.2 | 0.8 | 0.4 |
| filter menthol | CV | 17.6 | 6.1 | 47.8 | 18.1 | 5.1 |
| Chesterfield | $\bar{x}$ | 24.1±0.5 | 1.49±0.03 | 4.4±0.2 | 30.0±0.7 | 7.3±0.3 |
| regular size, | s | 1.1 | 0.07 | 0.6 | 1.6 | 0.7 |
| non-filter | CV | 4.4 | 4.8 | 12.8 | 5.3 | 9.5 |
| Chesterfield | $\bar{x}$ | 28.6±0.6 | 1.84±0.04 | 4.4±0.3 | 34.9±0.9 | 9.5±0.2 |
| king size, | s | 1.4 | 0.09 | 0.6 | 2.0 | 0.5 |
| non-filter | CV | 4.8 | 4.8 | 13.7 | 5.7 | 4.8 |
| Chesterfield | $\bar{x}$ | 14.9±0.3 | 1.04±0.02 | 2.9±0.2 | 18.8±0.5 | 7.4±0.1 |
| king size, | s | 0.7 | 0.05 | 0.4 | 1.1 | 0.3 |
| filter | CV | 4.8 | 4.7 | 14.3 | 5.6 | 3.8 |
| Chesterfield 101 | $\bar{x}$ | 16.1±0.3 | 1.15±0.03 | 2.2±0.1 | 19.5±0.5 | 8.6±0.2 |
| 100 mm. | s | 0.7 | 0.06 | 0.3 | 1.0 | 0.4 |
| filter | CV | 4.6 | 5.4 | 14.7 | 5.3 | 4.5 |
| Decade | $\bar{x}$ | 5.3±0.3 | 0.49±0.02 | 0.5±0.04 | 6.2±0.3 | 7.2±0.2 |
| king size, | s | 0.6 | 0.05 | 0.1 | 0.7 | 0.5 |
| filter | CV | 10.8 | 10.0 | 18.3 | 10.9 | 6.8 |
| Decade | $\bar{x}$ | 4.9±0.3 | 0.47±0.03 | 0.5±0.05 | 5.8±0.3 | 7.2±0.1 |
| king size, | s | 0.7 | 0.06 | 0.1 | 0.8 | 0.3 |
| filter menthol | CV | 13.9 | 13.2 | 22.2 | 13.1 | 4.1 |
| Decade | $\bar{x}$ | 8.9±0.2 | 0.81±0.02 | 0.9±0.1 | 10.6±0.3 | 8.6±0.2 |
| 100 mm. | s | 0.5 | 0.05 | 0.1 | 0.6 | 0.4 |
| filter | CV | 5.6 | 5.8 | 14.5 | 5.6 | 5.1 |



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| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Doral king size, filter | $\bar{x}$ | 12.6±0.4 | 1.03±0.03 | 1.7±0.1 | 15.4±0.5 | 8.0±0.1 |
| | s | 0.9 | 0.06 | 0.2 | 1.1 | 0.3 |
| | CV | 7.3 | 5.9 | 13.5 | 7.4 | 3.5 |
| Doral king size, filter menthol | $\bar{x}$ | 12.3±0.4 | 0.99±0.03 | 1.8±0.1 | 15.1±0.5 | 7.6±0.1 |
| | s | 0.8 | 0.06 | 0.3 | 1.1 | 0.3 |
| | CV | 6.9 | 6.1 | 14.7 | 7.6 | 3.9 |
| Doral II king size, filter | $\bar{x}$ | 5.5±0.3 | 0.51±0.02 | 0.5±0.1 | 6.5±0.3 | 7.2±0.1 |
| | s | 0.7 | 0.05 | 0.1 | 0.8 | 0.3 |
| | CV | 11.9 | 10.3 | 25.9 | 11.5 | 3.7 |
| Doral II king size, filter menthol | $\bar{x}$ | 5.4±0.2 | 0.51±0.02 | 0.5±0.1 | 6.4±0.2 | 6.7±0.1 |
| | s | 0.4 | 0.04 | 0.1 | 0.5 | 0.3 |
| | CV | 8.3 | 8.6 | 22.7 | 8.5 | 4.6 |
| DuMaurier king size, filter hard pack | $\bar{x}$ | 14.8±0.4 | 1.05±0.02 | 2.6±0.2 | 18.4±0.5 | 7.9±0.2 |
| | s | 0.9 | 0.05 | 0.4 | 1.2 | 0.4 |
| | CV | 5.8 | 4.9 | 15.3 | 6.5 | 4.4 |
| English Ovals regular size, non-filter hard pack | $\bar{x}$ | 22.6±0.6 | 1.86±0.06 | 3.3±0.2 | 27.8±0.9 | 8.1±0.3 |
| | s | 1.5 | 0.12 | 0.4 | 1.9 | 0.7 |
| | CV | 6.4 | 6.6 | 11.7 | 6.9 | 8.2 |
| English Ovals king size, non-filter hard pack | $\bar{x}$ | 29.2±0.7 | 2.49±0.06 | 3.7±0.2 | 35.4±0.9 | 11.1±0.3 |
| | s | 1.7 | 0.12 | 0.5 | 2.0 | 0.7 |
| | CV | 5.7 | 4.9 | 12.3 | 5.6 | 5.9 |
| Eve 100 mm. filter | $\bar{x}$ | 15.2±0.3 | 1.18±0.02 | 2.2±0.1 | 18.6±0.4 | 8.6±0.2 |
| | s | 0.7 | 0.06 | 0.3 | 1.0 | 0.3 |
| | CV | 4.6 | 4.7 | 14.2 | 5.2 | 4.1 |
| Eve 100 mm. filter menthol | $\bar{x}$ | 15.2±0.4 | 1.19±0.03 | 2.2±0.1 | 18.5±0.5 | 8.5±0.2 |
| | s | 0.8 | 0.07 | 0.3 | 1.1 | 0.4 |
| | CV | 5.5 | 5.9 | 15.4 | 6.1 | 4.2 |



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| BRAND | | Tar mg/cigt | Nicotine mg/cigt. | Water mg/cigt, | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Eve 120's | $\bar{x}$ | 13.8±0.4 | 1.14±0.03 | 1.4±0.1 | 16.3±0.5 | 13.7±0.3 |
| 120 mm. | s | 1.0 | 0.06 | 0.2 | 1.2 | 0.6 |
| filter | CV | 7.2 | 5.0 | 13.4 | 7.1 | 4.4 |
| Eve 120's | $\bar{x}$ | 13.9±0.5 | 1.12±0.04 | 1.4±0.1 | 16.4±0.6 | 13.8±0.2 |
| 120 mm. | s | 1.1 | 0.08 | 0.2 | 1.4 | 0.4 |
| filter menthol | CV | 8.0 | 7.4 | 17.5 | 8.5 | 2.9 |
| Fatima | $\bar{x}$ | 27.7±0.7 | 1.76±0.04 | 4.4±0.2 | 33.8±0.8 | 9.0±0.2 |
| king size, | s | 1.5 | 0.09 | 0.5 | 1.9 | 0.4 |
| non-filter | CV | 5.3 | 5.0 | 12.3 | 5.6 | 4.5 |
| Galaxy | $\bar{x}$ | 15.8±0.5 | 1.09±0.03 | 2.5±0.2 | 19.4±0.6 | 7.4±0.2 |
| king size, | s | 1.0 | 0.06 | 0.4 | 1.4 | 0.4 |
| filter | CV | 6.6 | 5.7 | 14.1 | 7.1 | 5.0 |
| Golden Lights | $\bar{x}$ | 7.9±0.2 | 0.76±0.02 | 0.8±0.1 | 9.5±0.2 | 6.6±0.1 |
| king size, | s | 0.4 | 0.04 | 0.1 | 0.5 | 0.3 |
| filter | CV | 4.9 | 4.7 | 14.5 | 5.1 | 4.6 |
| Golden Lights | $\bar{x}$ | 7.5±0.2 | 0.72±0.02 | 0.7±0.1 | 8.9±0.2 | 6.9±0.1 |
| king size, | s | 0.5 | 0.04 | 0.1 | 0.5 | 0.2 |
| filter menthol | CV | 6.3 | 5.1 | 18.1 | 6.0 | 3.3 |
| Golden Lights | $\bar{x}$ | 8.1±0.2 | 0.79±0.02 | 0.8±0.04 | 9.7±0.2 | 8.2±0.2 |
| 100 mm. | s | 0.4 | 0.04 | 0.1 | 0.5 | 0.3 |
| filter | CV | 5.3 | 5.3 | 13.0 | 5.3 | 4.1 |
| Golden Lights | $\bar{x}$ | 8.2±0.3 | 0.82±0.02 | 0.8±0.1 | 9.8±0.4 | 8.4±0.2 |
| 100 mm. | s | 0.7 | 0.05 | 0.1 | 0.8 | 0.4 |
| filter menthol | CV | 8.5 | 5.8 | 13.4 | 8.0 | 4.5 |
| Half & Half | $\bar{x}$ | 20.3±0.7 | 1.67±0.04 | 4.4±0.3 | 26.4±0.9 | 10.2±0.2 |
| king size, | s | 1.5 | 0.09 | 0.6 | 2.0 | 0.5 |
| filter | CV | 7.2 | 5.5 | 13.9 | 7.8 | 5.1 |



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| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Herbert Tareyton | $\bar{x}$ | 27.1±0.7 | 1.72±0.04 | 4.2±0.2 | 33.1±0.8 | 9.0±0.2 |
| king size, | s | 1.6 | 0.08 | 0.5 | 1.9 | 0.4 |
| non-filter | CV | 5.9 | 4.8 | 10.8 | 5.7 | 4.3 |
| Home Run | $\bar{x}$ | 21.8±0.6 | 1.34±0.03 | 4.2±0.3 | 27.3±0.7 | 6.5±0.1 |
| regular size, | s | 1.4 | 0.08 | 0.7 | 1.5 | 0.3 |
| non-filter | CV | 6.2 | 5.7 | 15.8 | 5.4 | 4.6 |
| Iceberg 100's | $\bar{x}$ | 3.3±0.2 | 0.32±0.01 | 0.3±0.04 | 3.9±0.2 | 7.9±0.2 |
| 100 mm. | s | 0.4 | 0.03 | 0.1 | 0.4 | 0.5 |
| filter menthol | CV | 12.2 | 8.1 | 27.2 | 10.9 | 6.6 |
| Kent III | $\bar{x}$ | 3.4±0.2 | 0.42±0.02 | 0.2±0.02 | 4.0±0.2 | 6.7±0.1 |
| king size, | s | 0.4 | 0.04 | 0.1 | 0.5 | 0.2 |
| filter | CV | 12.2 | 9.8 | 23.5 | 11.9 | 3.5 |
| Kent III | $\bar{x}$ | 4.8±0.2 | 0.56±0.02 | 0.4±0.04 | 5.7±0.2 | 7.9±0.1 |
| 100 mm. | s | 0.4 | 0.04 | 0.1 | 0.5 | 0.3 |
| filter | CV | 8.8 | 7.1 | 25.2 | 8.4 | 3.8 |
| Kent Micronite II | $\bar{x}$ | 12.6±0.3 | 0.99±0.02 | 1.9±0.1 | 15.5±0.4 | 7.4±0.1 |
| king size, | s | 0.6 | 0.05 | 0.3 | 0.9 | 0.2 |
| filter | CV | 5.0 | 5.3 | 16.1 | 5.8 | 3.3 |
| hard pack | | | | | | |
| Kent Micronite II | $\bar{x}$ | 13.1±0.3 | 1.04±0.02 | 2.0±0.1 | 16.2±0.4 | 7.8±0.1 |
| king size, | s | 0.6 | 0.05 | 0.3 | 0.9 | 0.2 |
| filter | CV | 4.8 | 4.4 | 13.8 | 5.5 | 3.1 |
| soft pack | | | | | | |
| Kent Micronite II | $\bar{x}$ | 14.7±0.3 | 1.18±0.03 | 1.7±0.1 | 17.6±0.4 | 8.6±0.1 |
| 100 mm. | s | 0.7 | 0.06 | 0.2 | 1.0 | 0.3 |
| filter | CV | 5.0 | 4.9 | 13.8 | 5.6 | 3.2 |
| Kent Micronite II | $\bar{x}$ | 14.6±0.3 | 1.26±0.02 | 1.8±0.1 | 17.7±0.4 | 8.6±0.1 |
| 100 mm. | s | 0.7 | 0.05 | 0.2 | 0.8 | 0.2 |
| filter menthol | CV | 4.5 | 3.8 | 9.3 | 4.4 | 2.2 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Kool regular size, non-filter menthol | $\bar{x}$ | 19.0±0.7 | 1.14±0.04 | 2.7±0.2 | 22.9±0.8 | 6.3±0.3 |
| | s | 1.5 | 0.08 | 0.3 | 1.7 | 0.7 |
| | CV | 7.8 | 7.2 | 12.6 | 7.4 | 10.3 |
| Kool king size, filter menthol hard pack | $\bar{x}$ | 16.1±0.4 | 1.34±0.03 | 3.3±0.2 | 20.8±0.6 | 7.2±0.1 |
| | s | 0.9 | 0.07 | 0.5 | 1.3 | 0.3 |
| | CV | 5.4 | 5.1 | 14.9 | 6.3 | 4.3 |
| Kool king size, filter menthol soft pack | $\bar{x}$ | 15.8±0.3 | 1.23±0.03 | 2.8±0.2 | 19.9±0.5 | 7.4±0.2 |
| | s | 0.7 | 0.06 | 0.4 | 1.1 | 0.3 |
| | CV | 4.6 | 5.1 | 14.5 | 5.4 | 4.7 |
| Kool 100 mm. filter menthol | $\bar{x}$ | 15.1±0.4 | 1.15±0.03 | 1.9±0.1 | 18.2±0.5 | 8.8±0.2 |
| | s | 0.9 | 0.07 | 0.3 | 1.1 | 0.4 |
| | CV | 5.9 | 5.9 | 15.6 | 6.3 | 4.7 |
| Kool International 100 mm. filter menthol hard pack | $\bar{x}$ | 9.0±0.2 | 0.75±0.02 | 0.9±0.1 | 10.6±0.3 | 9.5±0.2 |
| | s | 0.5 | 0.04 | 0.1 | 0.6 | 0.4 |
| | CV | 5.7 | 5.0 | 15.2 | 6.0 | 3.9 |
| Kool Milds king size, filter menthol | $\bar{x}$ | 11.6±0.3 | 0.94±0.02 | 1.6±0.1 | 14.2±0.4 | 6.7±0.1 |
| | s | 0.7 | 0.05 | 0.2 | 0.9 | 0.2 |
| | CV | 5.9 | 5.2 | 12.7 | 6.1 | 3.3 |
| Kool Milds 100 mm. filter menthol | $\bar{x}$ | 12.3±0.3 | 1.11±0.03 | 1.5±0.1 | 14.9±0.4 | 8.5±0.1 |
| | s | 0.7 | 0.07 | 0.2 | 0.8 | 0.3 |
| | CV | 5.6 | 6.1 | 11.3 | 5.6 | 3.3 |
| Kool Super Lights king size, filter menthol | $\bar{x}$ | 7.6±0.3 | 0.70±0.03 | 0.8±0.1 | 9.1±0.4 | 7.6±0.2 |
| | s | 0.7 | 0.06 | 0.2 | 0.9 | 0.3 |
| | CV | 9.8 | 8.3 | 21.2 | 10.2 | 4.5 |



PM3000762470

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count. |
|---|---|---|---|---|---|---|
| Kool Super Lights | $\bar{x}$ | 9.1±0.3 | 0.76±0.01 | 0.8±0.1 | 10.6±0.3 | 9.2±0.2 |
| 100 mm. | s | 0.6 | 0.03 | 0.1 | 0.7 | 0.4 |
| filter menthol | CV | 6.3 | 4.2 | 15.5 | 6.4 | 4.3 |
| L & M | $\bar{x}$ | 14.6±0.3 | 0.99±0.02 | 3.7±0.3 | 19.3±0.5 | 6.8±0.1 |
| king size, | s | 0.6 | 0.05 | 0.6 | 1.2 | 0.3 |
| filter | CV | 4.2 | 4.6 | 16.4 | 6.1 | 3.9 |
| hard pack | | | | | | |
| L & M | $\bar{x}$ | 14.8±0.3 | 1.04±0.03 | 3.0±0.2 | 18.8±0.5 | 7.2±0.1 |
| king size, | s | 0.7 | 0.06 | 0.4 | 1.0 | 0.3 |
| filter | CV | 4.8 | 6.0 | 12.7 | 5.4 | 4.1 |
| soft pack | | | | | | |
| L & M | $\bar{x}$ | 16.1±0.3 | 1.16±0.02 | 2.3±0.2 | 19.6±0.4 | 8.5±0.3 |
| 100 mm. | s | 0.7 | 0.05 | 0.3 | 1.0 | 0.6 |
| filter | CV | 4.4 | 4.5 | 15.1 | 5.1 | 7.0 |
| L & M | $\bar{x}$ | 15.9±0.2 | 1.13±0.02 | 2.2±0.1 | 19.2±0.4 | 8.2±0.1 |
| 100 mm. | s | 0.5 | 0.05 | 0.3 | 0.8 | 0.3 |
| filter menthol | CV | 3.3 | 4.4 | 13.4 | 4.2 | 4.0 |
| L & M Lights | $\bar{x}$ | 8.2±0.3 | 0.77±0.02 | 0.8±0.1 | 9.8±0.3 | 7.7.±0.3 |
| king size, | s | 0.6 | 0.05 | 0.1 | 0.7 | 0.7 |
| filter | CV | 7.6 | 7.1 | 16.6 | 7.4 | 8.7 |
| L & M Lights | $\bar{x}$ | 8.4±0.4 | 0.78±0.03 | 0.8±0.1 | 9.9±0.5 | 8.6±0.1 |
| 100 mm. | s | 1.0 | 0.06 | 0.2 | 1.0 | 0.3 |
| filter | CV | 11.5 | 8.0 | 20.3 | 10.2 | 3.9 |
| Lark | $\bar{x}$ | 15.6±0.4 | 1.14±0.03 | 3.0±0.3 | 19.8±0.5 | 7.6±0.2 |
| king size, | s | 0.9 | 0.06 | 0.6 | 1.0 | 0.4 |
| filter | CV | 6.1 | 5.2 | 19.7 | 5.3 | 4.8 |



PM3000762471

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Lark | $\bar{x}$ | 16.9±0.3 | 1.24±0.03 | 2.7±0.2 | 20.8±0.5 | 8.7±0.2 |
| 100 mm. | s | 0.7 | 0.06 | 0.5 | 1.2 | 0.4 |
| filter | CV | 4.1 | 5.0 | 18.3 | 5.7 | 4.8 |
| Lark II | $\bar{x}$ | 8.1±0.3 | 0.71±0.02 | 0.8±0.1 | 9.6±0.3 | 6.7±0.1 |
| king size, | s | 0.6 | 0.04 | 0.2 | 0.7 | 0.3 |
| filter | CV | 6.9 | 6.2 | 18.6 | 7.6 | 4.0 |
| Lark Lights | $\bar{x}$ | 7.9±0.3 | 0.67±0.02 | 0.9±0.1 | 9.4±0.4 | 6.8±0.1 |
| king size, | s | 0.7 | 0.04 | 0.1 | 0.9 | 0.3 |
| filter | CV | 9.5 | 5.5 | 16.8 | 9.0 | 4.5 |
| Lark Lights | $\bar{x}$ | 7.8±0.2 | 0.67±0.02 | 0.8±0.1 | 9.2±0.3 | 7.5±0.1 |
| 100 mm. | s | 0.5 | 0.04 | 0.1 | 0.6 | 0.3 |
| filter | CV | 6.6 | 6.2 | 17.6 | 6.3 | 4.0 |
| Long Johns | $\bar{x}$ | 17.2±0.3 | 1.41±0.03 | 1.7±0.1 | 20.3±0.4 | 14.8±0.4 |
| 120 mm. | s | 0.7 | 0.07 | 0.2 | 0.9 | 0.8 |
| filter | CV | 4.4 | 5.2 | 10.8 | 4.5 | 5.7 |
| Long Johns | $\bar{x}$ | 15.1±0.4 | 1.34±0.03 | 1.5±0.1 | 17.9±0.5 | 14.3±0.3 |
| 120 mm. | s | 0.9 | 0.06 | 0.2 | 1.0 | 0.6 |
| filter menthol | CV | 5.7 | 4.8 | 12.8 | 5.9 | 4.4 |
| Lucky Strike | $\bar{x}$ | 24.2±0.8 | 1.46±0.03 | 4.6±0.3 | 30.2±0.9 | 7.5±0.2 |
| regular size, | s | 1.7 | 0.06 | 0.6 | 1.9 | 0.4 |
| non-filter | CV | 7.0 | 3.9 | 12.9 | 6.4 | 5.6 |
| Lucky Ten | $\bar{x}$ | 8.8±0.3 | 0.72±0.02 | 1.0±0.1 | 10.5±0.4 | 7.2±0.1 |
| king size, | s | 0.6 | 0.04 | 0.2 | 0.8 | 0.3 |
| filter | CV | 7.2 | 5.7 | 16.0 | 7.7 | 4.5 |
| Lucky 100's | $\bar{x}$ | 3.4±0.3 | 0.32±0.02 | 0.3±0.1 | 4.1±0.3 | 8.0±0.2 |
| 100 mm. | s | 0.7 | 0.05 | 0.1 | 0.7 | 0.4 |
| filter | CV | 20.8 | 15.4 | 42.4 | 17.5 | 4.5 |



PM3000762472

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Marlboro king size, filter hard pack | $\bar{x}$ | 16.0±0.4 | 1.09±0.03 | 3.0±0.4 | 20.0±0.6 | 7.7±0.2 |
| | s | 0.8 | 0.06 | 0.9 | 1.4 | 0.4 |
| | CV | 5.0 | 5.4 | 29.5 | 7.0 | 4.7 |
| Marlboro king size, filter menthol hard pack | $\bar{x}$ | 14.7±0.3 | 0.99±0.02 | 2.8±0.2 | 18.5±0.5 | 7.7±0.1 |
| | s | 0.8 | 0.05 | 0.4 | 1.2 | 0.3 |
| | CV | 5.2 | 5.2 | 15.2 | 6.3 | 3.9 |
| Marlboro king size, filter soft pack | $\bar{x}$ | 16.3±0.4 | 1.13±0.03 | 2.8±0.2 | 20.2±0.5 | 8.1±0.2 |
| | s | 0.9 | 0.06 | 0.4 | 1.2 | 0.4 |
| | CV | 5.2 | 5.3 | 14.6 | 5.7 | 4.4 |
| Marlboro king size, filter menthol soft pack | $\bar{x}$ | 14.4±0.3 | 0.97±0.03 | 2.2±0.2 | 17.6±0.5 | 8.0±0.2 |
| | s | 0.8 | 0.06 | 0.3 | 1.1 | 0.3 |
| | CV | 5.2 | 5.8 | 15.5 | 6.1 | 4.3 |
| Marlboro 100 mm. filter hard pack | $\bar{x}$ | 15.8±0.3 | 1.15±0.02 | 2.1±0.1 | 19.1±0.4 | 9.1±0.2 |
| | s | 0.7 | 0.05 | 0.3 | 0.9 | 0.4 |
| | CV | 4.4 | 4.5 | 14.0 | 4.7 | 4.0 |
| Marlboro 100 mm. filter soft pack | $\bar{x}$ | 15.8±0.4 | 1.16±0.02 | 2.1±0.1 | 19.0±0.5 | 9.2±0.1 |
| | s | 0.9 | 0.05 | 0.2 | 1.1 | 0.3 |
| | CV | 5.4 | 4.3 | 11.9 | 5.6 | 3.5 |
| | $\sigma$ | | | | | |
| Marlboro Lights king size, filter | $\bar{x}$ | 11.5±0.3 | 0.86±0.02 | 1.4±0.1 | 13.7±0.3 | 7.5±0.1 |
| | s | 0.7 | 0.03 | 0.2 | 0.7 | 0.3 |
| | CV | 6.1 | 4.1 | 12.6 | 5.4 | 4.4 |



PM3000762473

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Marlboro Lights | $\bar{x}$ | 11.4±0.2 | 0.85±0.02 | 1.2±0.1 | 13.5±0.3 | 8.9±0.2 |
| 100 mm. | s | 0.5 | 0.05 | 0.2 | 0.7 | 0.4 |
| filter | CV | 4.5 | 5.8 | 14.8 | 5.1 | 4.2 |
| Max | $\bar{x}$ | 17.4±0.4 | 1.53±0.04 | 2.4±0.1 | 21.4±0.6 | 10.2±0.2 |
| 120 mm. | s | 1.0 | 0.08 | 0.3 | 1.3 | 0.5 |
| filter | CV | 5.7 | 5.4 | 13.7 | 6.2 | 4.5 |
| Max | $\bar{x}$ | 18.4±0.3 | 1.62±0.03 | 2.9±0.2 | 23.0±0.5 | 10.4±0.2 |
| 120 mm. | s | 0.7 | 0.07 | 0.5 | 1.1 | 0.5 |
| filter menthol | CV | 3.9 | 4.0 | 15.9 | 4.9 | 5.3 |
| Merit | $\bar{x}$ | 8.2±0.2 | 0.64±0.02 | 1.0±0.1 | 9.8±0.3 | 7.4±0.1 |
| king size, | s | 0.6 | 0.04 | 0.1 | 0.6 | 0.2 |
| filter | CV | 6.7 | 6.3 | 14.9 | 6.6 | 3.2 |
| Merit | $\bar{x}$ | 8.1±0.2 | 0.63±0.02 | 0.9±0.1 | 9.6±0.2 | 7.1±0.1 |
| king size, | s | 0.4 | 0.04 | 0.1 | 0.5 | 0.3 |
| filter menthol | CV | 4.5 | 6.0 | 12.7 | 4.7 | 3.8 |
| Merit 100's | $\bar{x}$ | 9.7±0.2 | 0.79±0.02 | 1.1±0.1 | 11.7±0.3 | 8.8±0.2 |
| 100 mm. | s | 0.5 | 0.04 | 0.1 | 0.6 | 0.4 |
| filter | CV | 5.0 | 5.6 | 10.3 | 5.2 | 4.0 |
| Merit 100's | $\bar{x}$ | 10.2±0.3 | 0.80±0.02 | 1.2±0.1 | 12.2±0.3 | 8.6±0.1 |
| 100 mm. | s | 0.6 | 0.04 | 0.1 | 0.7 | 0.2 |
| filter menthol | CV | 5.8 | 4.7 | 11.0 | 5.7 | 2.6 |
| Montclair | $\bar{x}$ | 15.4±0.3 | 1.08±0.03 | 4.0±0.2 | 20.5±0.5 | 7.1±0.1 |
| king size, | s | 0.8 | 0.07 | 0.5 | 1.2 | 0.3 |
| filter menthol | CV | 5.0 | 6.2 | 13.0 | 5.8 | 4.7 |
| More | $\bar{x}$ | 22.9±0.7 | 1.86±0.04 | 2.7±0.2 | 27.5±0.9 | 15.2±0.2 |
| 120 mm. | s | 1.6 | 0.10 | 0.5 | 2.0 | 0.5 |
| filter | CV | 6.8 | 5.2 | 18.1 | 7.3 | 3.6 |



PM3000762474

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| More | $\bar{x}$ | 23.1±0.6 | 1.92±0.03 | 2.8±0.1 | 27.8±0.7 | 15.2±0.2 |
| 120 mm. | s | 1.3 | 0.07 | 0.3 | 1.5 | 0.4 |
| filter menthol | CV | 5.5 | 3.6 | 11.7 | 5.6 | 2.7 |
| Multifilter | $\bar{x}$ | 11.9±0.3 | 0.86±0.02 | 1.7±0.1 | 14.5±0.4 | 7.3±0.2 |
| king size, | s | 0.6 | 0.04 | 0.2 | 0.8 | 0.4 |
| filter | CV | 5.4 | 5.2 | 10.3 | 5.7 | 5.8 |
| Multifilter | $\bar{x}$ | 12.3±0.3 | 0.86±0.03 | 1.7±0.1 | 14.9±0.4 | 7.1±0.2 |
| king size, | s | 0.8 | 0.06 | 0.2 | 1.0 | 0.3 |
| filter menthol | CV | 6.4 | 7.1 | 11.9 | 6.7 | 4.8 |
| Newport | $\bar{x}$ | 15.9±0.3 | 1.27±0.02 | 4.1±0.2 | 21.3±0.5 | 7.2±0.1 |
| king size, | s | 0.7 | 0.06 | 0.5 | 1.1 | 0.2 |
| filter menthol | CV | 4.2 | 4.4 | 12.5 | 5.1 | 3.0 |
| hard pack | | | | | | |
| Newport | $\bar{x}$ | 17.1±0.4 | 1.36±0.04 | 4.1±0.2 | 22.6±0.6 | 7.7±0.1 |
| king size, | s | 0.9 | 0.08 | 0.5 | 1.4 | 0.3 |
| filter menthol | CV | 5.4 | 5.8 | 13.4 | 6.3 | 3.9 |
| soft pack | | | | | | |
| Newport | $\bar{x}$ | 19.6±0.4 | 1.58±0.03 | 3.5±0.2 | 24.7±0.5 | 8.6±0.2 |
| 100 mm. | s | 0.8 | 0.06 | 0.4 | 1.1 | 0.4 |
| filter menthol | CV | 4.0 | 4.1 | 11.4 | 4.5 | 4.9 |
| Newport Lights | $\bar{x}$ | 9.7±0.3 | 0.90±0.02 | 1.2±0.1 | 11.8±0.4 | 6.7±0.2 |
| king size, | s | 0.7 | 0.05 | 0.2 | 0.9 | 0.4 |
| filter menthol | CV | 7.4 | 5.9 | 13.1 | 7.3 | 5.7 |
| Now | $\bar{x}$ | 2.0±0.1 | 0.22±0.01 | 0.2±0.04 | 2.4±0.1 | 7.3±0.1 |
| king size, | s | 0.3 | 0.03 | 0.1 | 0.3 | 0.3 |
| filter | CV | 15.5 | 11.8 | 46.4 | 14.0 | 3.8 |
| hard pack | | | | | | |



PM3000762475

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Now king size, filter menthol hard pack | $\bar{x}$ | 2.2±0.2 | 0.26±0.01 | 0.2±0.03 | 2.7±0.2 | 6.9±0.1 |
| | s | 0.4 | 0.03 | 0.1 | 0.4 | 0.3 |
| | CV | 17.0 | 12.9 | 30.1 | 15.6 | 3.9 |
| Now king size, filter soft pack | $\bar{x}$ | 2.1±0.3 | 0.25±0.01 | 0.2±0.04 | 2.5±0.3 | 7.3±0.1 |
| | s | 0.6 | 0.03 | 0.1 | 0.6 | 0.3 |
| | CV | 26.8 | 11.3 | 41.5 | 22.6 | 4.3 |
| Now king size, filter menthol soft pack | $\bar{x}$ | 2.2±0.1 | 0.25±0.01 | 0.2±0.04 | 2.7±0.2 | 7.1±0.1 |
| | s | 0.3 | 0.03 | 0.1 | 0.4 | 0.3 |
| | CV | 14.4 | 11.3 | 41.7 | 14.7 | 4.6 |
| Oasis king size, filter menthol | $\bar{x}$ | 15.1±0.3 | 1.05±0.02 | 3.4±0.2 | 19.6±0.4 | 7.3±0.1 |
| | s | 0.7 | 0.04 | 0.4 | 1.0 | 0.2 |
| | CV | 4.6 | 4.1 | 11.7 | 5.1 | 3.0 |
| Old Gold Straights king size, non-filter | $\bar{x}$ | 26.4±0.5 | 1.70±0.03 | 4.5±0.2 | 32.6±0.6 | 8.6±0.1 |
| | s | 1.1 | 0.06 | 0.4 | 1.3 | 0.3 |
| | CV | 4.1 | 3.4 | 8.1 | 4.0 | 3.7 |
| Old Gold Filter king size, filter | $\bar{x}$ | 16.2±0.4 | 1.31±0.04 | 3.8±0.2 | 21.3±0.5 | 7.7±0.2 |
| | s | 0.9 | 0.08 | 0.5 | 1.2 | 0.3 |
| | CV | 5.4 | 6.0 | 12.0 | 5.7 | 4.4 |
| Old Gold 100's 100 mm. filter | $\bar{x}$ | 18.9±0.3 | 1.51±0.02 | 3.3±0.2 | 23.7±0.4 | 8.3±0.1 |
| | s | 0.7 | 0.05 | 0.4 | 1.0 | 0.3 |
| | CV | 3.7 | 3.5 | 13.6 | 4.2 | 3.7 |
| Old Gold Lights king size, filter | $\bar{x}$ | 9.7±0.2 | 0.86±0.01 | 1.1±0.1 | 11.7±0.3 | 6.5±0.1 |
| | s | 0.5 | 0.03 | 0.1 | 0.6 | 0.3 |
| | CV | 5.0 | 3.9 | 10.8 | 5.1 | 4.5 |



PM3000762476

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt | Nicotine mg/cigt. | Water mg/cigt | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Pall Mall | $\bar{x}$ | 24.7±0.4 | 1.49±0.03 | 3.7±0.2 | 29.9±0.5 | 8.6±0.2 |
| king size, | s | 1.0 | 0.06 | 0.5 | 1.2 | 0.3 |
| non-filter | CV | 4.0 | 3.8 | 13.2 | 4.1 | 3.9 |
| Pall Mall | $\bar{x}$ | 17.2±0.4 | 1.20±0.02 | 3.8±0.3 | 22.2±0.6 | 8.3±0.1 |
| king size, | s | 0.8 | 0.05 | 0.6 | 1.3 | 0.3 |
| filter | CV | 4.6 | 4.2 | 15.4 | 5.8 | 4.0 |
| Pall Mall | $\bar{x}$ | 17.0±0.4 | 1.30±0.03 | 2.3±0.2 | 20.6±0.5 | 9.4±0.2 |
| 100 mm. | s | 0.8 | 0.06 | 0.3 | 1.1 | 0.4 |
| filter | CV | 4.9 | 4.8 | 15.0 | 5.3 | 4.1 |
| Pall Mall Extra Light | $\bar{x}$ | 7.0±0.3 | 0.67±0.03 | 0.7±0.1 | 8.4±0.4 | 8.0±0.1 |
| king size, | s | 0.8 | 0.06 | 0.1 | 0.9 | 0.3 |
| filter | CV | 11.1 | 8.9 | 16.5 | 10.7 | 3.5 |
| Pall Mall Light 100's | $\bar{x}$ | 11.4±0.4 | 0.94±0.03 | 1.2±0.1 | 13.5±0.5 | 9.0±0.2 |
| 100 mm. | s | 0.9 | 0.06 | 0.1 | 1.0 | 0.4 |
| filter | CV | 7.7 | 6.3 | 11.0 | 7.5 | 4.3 |
| Pall Mall Light 100's | $\bar{x}$ | 12.4±0.4 | 1.05±0.03 | 1.7±0.2 | 15.1±0.6 | 8.2±0.1 |
| 100 mm. | s | 0.9 | 0.07 | 0.5 | 1.4 | 0.3 |
| filter menthol | CV | 7.2 | 6.6 | 30.1 | 8.9 | 3.9 |
| Parliament Lights | $\bar{x}$ | 8.6±0.3 | 0.70±0.01 | 1.1±0.1 | 10.4±0.3 | 6.9±0.1 |
| king size, | s | 0.7 | 0.03 | 0.2 | 0.8 | 0.3 |
| filter | CV | 8.0 | 4.3 | 16.2 | 7.4 | 4.7 |
| hard pack | | | | | | |
| Parliament Lights | $\bar{x}$ | 9.3±0.3 | 0.75±0.02 | 1.1±0.1 | 11.2±0.4 | 7.7±0.1 |
| king size, | s | 0.6 | 0.03 | 0.2 | 0.8 | 0.3 |
| filter | CV | 6.9 | 4.7 | 16.0 | 7.3 | 3.3 |
| soft pack | | | | | | |
| Parliament Light 100's | $\bar{x}$ | 11.3±0.2 | 0.94±0.02 | 1.3±0.1 | 13.6±0.3 | 9.2±0.2 |
| 100 mm. | s | 0.5 | 0.04 | 0.1 | 0.6 | 0.4 |
| filter | CV | 4.4 | 4.3 | 9.6 | 4.6 | 4.5 |



PM3000762477

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Philip Morris | $\bar{x}$ | 21.9±0.5 | 1.43±0.03 | 3.4±0.2 | 26.8±0.7 | 6.8±0.1 |
| regular size, | s | 1.1 | 0.06 | 0.5 | 1.5 | 0.3 |
| non-filter | CV | 4.8 | 4.1 | 13.2 | 5.5 | 4.1 |
| Philip Morris Commander | $\bar{x}$ | 26.3±0.6 | 1.76±0.04 | 4.1±0.2 | 32.2±0.9 | 8.8±0.2 |
| king size, | s | 1.4 | 0.10 | 0.6 | 1.9 | 0.4 |
| non-filter | CV | 5.4 | 5.7 | 13.6 | 6.0 | 4.1 |
| Philip Morris | $\bar{x}$ | 18.4±0.5 | 1.26±0.03 | 2.8±0.2 | 22.5±0.6 | 8.8±0.2 |
| International | s | 1.1 | 0.06 | 0.4 | 1.4 | 0.4 |
| 100 mm. filter | CV | 5.9 | 4.9 | 13.7 | 6.2 | 4.4 |
| Philip Morris | $\bar{x}$ | 17.1±0.4 | 1.12±0.03 | 2.6±0.2 | 20.9±0.6 | 9.0±0.1 |
| International | s | 0.9 | 0.06 | 0.5 | 1.3 | 0.3 |
| 100 mm. filter menthol | CV | 5.1 | 5.0 | 19.2 | 6.2 | 3.1 |
| Picayune | $\bar{x}$ | 23.9±0.5 | 1.51±0.03 | 4.3±0.3 | 29.7±0.7 | 6.9±0.1 |
| regular size, | s | 1.2 | 0.07 | 0.6 | 1.6 | 0.3 |
| non-filter | CV | 5.0 | 4.8 | 13.3 | 5.5 | 4.0 |
| Piedmont | $\bar{x}$ | 23.6±0.6 | 1.45±0.03 | 4.0±0.2 | 29.0±0.8 | 7.3±0.1 |
| regular size, | s | 1.3 | 0.06 | 0.5 | 1.8 | 0.3 |
| non-filter | CV | 5.7 | 4.4 | 12.6 | 6.1 | 4.2 |
| Players | $\bar{x}$ | 24.4±0.5 | 2.01±0.05 | 2.8±0.1 | 29.2±0.7 | 8.4±0.2 |
| regular size, | s | 1.2 | 0.12 | 0.3 | 1.5 | 0.5 |
| non-filter | CV | 4.9 | 6.1 | 9.2 | 5.1 | 5.7 |
| Raleigh | $\bar{x}$ | 25.0±0.6 | 1.48±0.04 | 3.3±0.2 | 29.7±0.7 | 8.4±0.1 |
| king size, | s | 1.5 | 0.08 | 0.4 | 1.7 | 0.2 |
| non-filter | CV | 5.8 | 5.7 | 11.8 | 5.6 | 2.5 |
| Raleigh | $\bar{x}$ | 15.4±0.4 | 1.07±0.02 | 2.8±0.2 | 19.3±0.5 | 7.8±0.2 |
| king size, | s | 0.8 | 0.05 | 0.4 | 1.1 | 0.4 |
| filter | CV | 5.2 | 4.2 | 14.3 | 5.9 | 5.2 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Raleigh | $\bar{x}$ | 16.0±0.3 | 1.21±0.02 | 2.2±0.1 | 19.5±0.4 | 8.8±0.1 |
| 100 mm. | s | 0.7 | 0.05 | 0.3 | 0.9 | 0.3 |
| filter | CV | 4.4 | 4.0 | 11.2 | 4.6 | 3.5 |
| Raleigh Lights | $\bar{x}$ | 8.8±0.2 | 0.78±0.02 | 0.9±0.04 | 10.5±0.3 | 7.9±0.1 |
| king size, | s | 0.5 | 0.05 | 0.1 | 0.6 | 0.3 |
| filter | CV | 6.1 | 6.3 | 10.4 | 6.1 | 4.1 |
| Raleigh Lights 100's | $\bar{x}$ | 9.4±0.4 | 0.84±0.03 | 1.0±0.1 | 11.3±0.4 | 9.3±0.2 |
| 100 mm. | s | 0.8 | 0.07 | 0.1 | 1.0 | 0.4 |
| filter | CV | 8.6 | 7.8 | 15.3 | 8.7 | 4.3 |
| Real | $\bar{x}$ | 10.2±0.2 | 0.95±0.02 | 1.2±0.1 | 12.4±0.2 | 7.8±0.1 |
| king size, | s | 0.4 | 0.03 | 0.2 | 0.5 | 0.2 |
| filter | CV | 3.9 | 3.7 | 15.6 | 3.8 | 2.4 |
| Real | $\bar{x}$ | 9.0±0.2 | 0.88±0.02 | 1.0±0.1 | 10.9±0.2 | 7.6±0.1 |
| king size, | s | 0.4 | 0.03 | 0.2 | 0.5 | 0.2 |
| filter menthol | CV | 4.1 | 3.9 | 19.2 | 4.3 | 3.2 |
| St. Moritz | $\bar{x}$ | 14.7±0.3 | 1.17±0.02 | 2.0±0.1 | 18.0±0.4 | 8.6±0.1 |
| 100 mm. | s | 0.6 | 0.05 | 0.2 | 0.8 | 0.3 |
| filter | CV | 4.1 | 4.6 | 12.2 | 4.7 | 3.7 |
| St. Moritz | $\bar{x}$ | 14.8±0.4 | 1.17±0.03 | 2.0±0.2 | 18.0±0.6 | 8.5±0.1 |
| 100 mm. | s | 1.0 | 0.08 | 0.5 | 1.3 | 0.2 |
| filter menthol | CV | 6.7 | 6.5 | 25.2 | 7.0 | 2.8 |
| Salem | $\bar{x}$ | 16.2±0.3 | 1.22±0.03 | 3.6±0.2 | 20.9±0.4 | 8.3±0.2 |
| king size, | s | 0.7 | 0.06 | 0.4 | 1.0 | 0.3 |
| filter menthol | CV | 4.2 | 4.7 | 11.1 | 4.7 | 4.2 |
| hard pack | | | | | | |
| Salem | $\bar{x}$ | 15.5±0.4 | 1.18±0.02 | 3.2±0.2 | 19.9±0.6 | 8.1±0.1 |
| king size, | s | 1.0 | 0.05 | 0.5 | 1.4 | 0.3 |
| filter menthol | CV | 6.2 | 4.0 | 16.0 | 6.8 | 3.3 |
| soft pack | | | | | | |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Salem | $\bar{x}$ | 19.0±0.3 | 1.49±0.02 | 2.9±0.1 | 23.4±0.4 | 9.6±0.1 |
| 100 mm. | s | 0.7 | 0.05 | 0.3 | 0.8 | 0.2 |
| filter menthol | CV | 3.6 | 3.2 | 11.4 | 3.6 | 2.0 |
| Salem Lights | $\bar{x}$ | 11.2±0.5 | 0.91±0.02 | 1.4±0.1 | 13.5±0.5 | 7.6±0.3 |
| king size, | s | 1.0 | 0.04 | 0.2 | 1.1 | 0.6 |
| filter menthol | CV | 9.2 | 4.2 | 14.5 | 8.3 | 8.2 |
| Salem Light | $\bar{x}$ | 11.9±0.3 | 1.03±0.02 | 1.2±0.1 | 14.1±0.4 | 10.2±0.1 |
| 100 mm. | s | 0.8 | 0.05 | 0.1 | 0.9 | 0.3 |
| filter menthol | CV | 6.5 | 4.8 | 10.8 | 6.0 | 2.8 |
| Saratoga | $\bar{x}$ | 15.6±0.3 | 1.13±0.02 | 1.8±0.1 | 18.6±0.4 | 12.2±0.3 |
| 120 mm. | s | 0.8 | 0.05 | 0.2 | 0.9 | 0.7 |
| filter | CV | 4.8 | 4.4 | 10.7 | 4.8 | 6.1 |
| hard pack | | | | | | |
| Saratoga | $\bar{x}$ | 15.6±0.4 | 1.10±0.02 | 1.9±0.1 | 18.6±0.5 | 12.2±0.2 |
| 120 mm. | s | 0.9 | 0.05 | 0.3 | 1.1 | 0.5 |
| filter menthol | CV | 5.9 | 4.3 | 14.3 | 5.9 | 4.3 |
| hard pack | | | | | | |
| Silva Thins | $\bar{x}$ | 12.5±0.3 | 1.10±0.03 | 1.4±0.1 | 15.0±0.4 | 8.9±0.3 |
| 100 mm. | s | 0.7 | 0.06 | 0.2 | 0.9 | 0.7 |
| filter | CV | 5.4 | 5.3 | 17.2 | 5.8 | 8.3 |
| Silva Thins | $\bar{x}$ | 11.1±0.4 | 0.89±0.03 | 1.3±0.1 | 13.3±0.6 | 9.2±0.2 |
| 100 mm. | s | 1.0 | 0.07 | 0.3 | 1.3 | 0.4 |
| filter menthol | CV | 9.0 | 8.2 | 21.7 | 9.9 | 4.3 |
| Spring 100's | $\bar{x}$ | 18.5±0.4 | 1.09±0.02 | 3.1±0.2 | 22.7±0.5 | 8.4±0.1 |
| 100 mm. | s | 0.8 | 0.05 | 0.3 | 1.1 | 0.2 |
| filter menthol | CV | 4.4 | 4.6 | 11.1 | 4.7 | 2.8 |
| Tall | $\bar{x}$ | 18.0±0.5 | 1.46±0.03 | 1.8±0.1 | 21.3±0.6 | 15.5±0.2 |
| 120 mm. | s | 1.1 | 0.07 | 0.3 | 1.3 | 0.5 |
| filter | CV | 6.3 | 4.8 | 15.6 | 6.2 | 3.2 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Tall | $\bar{x}$ | 15.4±0.5 | 1.31±0.04 | 1.7±0.1 | 18.4±0.6 | 14.8±0.2 |
| 120 mm. | s | 1.1 | 0.09 | 0.2 | 1.4 | 0.4 |
| filter menthol | CV | 7.2 | 6.5 | 12.9 | 7.4 | 3.0 |
| Tareyton | $\bar{x}$ | 13.6±0.3 | 0.95±0.02 | 3.2±0.2 | 17.8±0.4 | 7.8±0.1 |
| king size, | s | 0.6 | 0.05 | 0.4 | 1.0 | 0.3 |
| filter | CV | 4.5 | 5.5 | 13.4 | 5.5 | 4.0 |
| Tareyton | $\bar{x}$ | 13.4±0.2 | 0.98±0.02 | 2.1±0.1 | 16.5±0.3 | 8.4±0.2 |
| 100 mm. | s | 0.5 | 0.05 | 0.3 | 0.7 | 0.5 |
| filter | CV | 3.5 | 4.6 | 12.0 | 4.3 | 5.6 |
| Tareyton Lights | $\bar{x}$ | 7.2±0.3 | 0.64±0.03 | 0.7±0.1 | 8.6±0.4 | 8.3±0.2 |
| king size, | s | 0.7 | 0.06 | 0.1 | 0.9 | 0.5 |
| filter | CV | 10.3 | 8.8 | 18.5 | 10.4 | 5.7 |
| Tareyton Long Lights | $\bar{x}$ | 8.0±0.3 | 0.70±0.02 | 0.8±0.03 | 9.5±0.3 | 9.9±0.2 |
| 100 mm. | s | 0.6 | 0.04 | 0.1 | 0.6 | 0.4 |
| filter | CV | 7.0 | 5.6 | 9.8 | 6.7 | 4.3 |
| Tareyton Ultra Low Tar | $\bar{x}$ | 1.7±0.1 | 0.19±0.01 | 0.1±0.02 | 2.0±0.1 | 6.6±0.2 |
| king size, | s | 0.3 | 0.02 | 0.04 | 0.3 | 0.3 |
| filter menthol | CV | 16.6 | 11.5 | 40.0 | 15.7 | 5.2 |
| Tempo | $\bar{x}$ | 7.1±0.2 | 0.63±0.01 | 0.7±0.1 | 8.5±0.3 | 7.9±0.2 |
| king size, | s | 0.5 | 0.03 | 0.1 | 0.6 | 0.4 |
| filter | CV | 6.4 | 5.0 | 15.9 | 6.6 | 4.6 |
| Triumph | $\bar{x}$ | 3.2±0.2 | 0.43±0.01 | 0.2±0.03 | 3.9±0.2 | 6.9±0.2 |
| king size, | s | 0.3 | 0.03 | 0.1 | 0.4 | 0.4 |
| filter | CV | 10.6 | 7.2 | 26.5 | 9.6 | 6.0 |
| Triumph | $\bar{x}$ | 2.9±0.4 | 0.42±0.02 | 0.2±0.03 | 3.6±0.4 | 6.8±0.2 |
| king size, | s | 0.8 | 0.04 | 0.1 | 0.9 | 0.4 |
| filter menthol | CV | 27.8 | 9.4 | 26.2 | 23.8 | 5.4 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| True | $\bar{x}$ | 5.3±0.2 | 0.49±0.02 | 0.6±0.1 | 6.3±0.3 | 6.1±0.1 |
| king size, | s | 0.4 | 0.05 | 0.1 | 0.6 | 0.3 |
| filter | CV | 8.4 | 9.9 | 24.3 | 9.4 | 4.3 |
| True | $\bar{x}$ | 5.4±0.3 | 0.49±0.02 | 0.6±0.1 | 6.5±0.3 | 6.1±0.1 |
| king size, | s | 0.7 | 0.04 | 0.1 | 0.7 | 0.3 |
| filter menthol | CV | 12.1 | 8.4 | 19.5 | 11.4 | 4.4 |
| True 100's | $\bar{x}$ | 9.5±0.5 | 0.74±0.03 | 1.2±0.1 | 11.5±0.7 | 7.7±0.2 |
| 100 mm. | s | 1.2 | 0.06 | 0.3 | 1.5 | 0.5 |
| filter | CV | 12.4 | 8.2 | 21.8 | 12.7 | 6.2 |
| True 100's | $\bar{x}$ | 10.3±0.5 | 0.75±0.02 | 1.4±0.1 | 12.4±0.6 | 7.8±0.2 |
| 100 mm. | s | 1.1 | 0.05 | 0.3 | 1.3 | 0.4 |
| filter menthol | CV | 10.3 | 6.7 | 19.9 | 10.8 | 5.2 |
| Twist | $\bar{x}$ | 15.4±0.5 | 1.27±0.04 | 2.2±0.2 | 18.9±0.6 | 9.1±0.2 |
| 100 mm. | s | 1.0 | 0.09 | 0.4 | 1.4 | 0.3 |
| filter lemon/menthol | CV | 6.6 | 7.3 | 19.1 | 7.2 | 3.7 |
| Vantage | $\bar{x}$ | 10.5±0.3 | 0.85±0.02 | 1.5±0.1 | 12.9±0.4 | 7.1±0.1 |
| king size, | s | 0.7 | 0.05 | 0.2 | 1.0 | 0.2 |
| filter | CV | 7.1 | 5.6 | 15.0 | 7.6 | 3.4 |
| Vantage | $\bar{x}$ | 10.0±0.2 | 0.81±0.02 | 1.2±0.1 | 12.1±0.3 | 7.0±0.1 |
| king size, | s | 0.5 | 0.04 | 0.2 | 0.6 | 0.3 |
| filter menthol | CV | 5.4 | 4.6 | 12.1 | 5.3 | 3.6 |
| Vantage Ultra Light | $\bar{x}$ | 6.4±0.2 | 0.61±0.01 | 0.7±0.03 | 7.7±0.2 | 7.0±0.1 |
| king size, | s | 0.5 | 0.03 | 0.1 | 0.5 | 0.2 |
| filter | CV | 7.1 | 4.7 | 11.0 | 6.6 | 3.5 |
| Vantage 100's | $\bar{x}$ | 11.6±0.3 | 0.99±0.02 | 1.4±0.1 | 14.0±0.4 | 9.6±0.1 |
| 100 mm. | s | 0.7 | 0.04 | 0.1 | 0.8 | 0.3 |
| filter | CV | 6.3 | 4.5 | 9.6 | 6.0 | 2.9 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Viceroy | $\bar{x}$ | 14.3±0.3 | 1.00±0.02 | 2.7±0.2 | 18.1±0.4 | 7.5±0.1 |
| king size, | s | 0.7 | 0.04 | 0.4 | 1.0 | 0.3 |
| filter | CV | 5.0 | 4.5 | 13.7 | 5.5 | 3.8 |
| Viceroy Super Longs | $\bar{x}$ | 15.6±0.4 | 1.20±0.03 | 2.2±0.2 | 18.9±0.6 | 9.2±0.2 |
| 100 mm. | s | 0.9 | 0.08 | 0.4 | 1.3 | 0.5 |
| filter | CV | 5.7 | 6.5 | 19.9 | 6.6 | 5.6 |
| Viceroy Rich Lights | $\bar{x}$ | 8.3±0.5 | 0.76±0.03 | 0.9±0.1 | 10.0±0.6 | 8.1±0.1 |
| king size, | s | 1.1 | 0.07 | 0.2 | 1.2 | 0.3 |
| filter | CV | 12.7 | 8.6 | 19.0 | 12.4 | 3.6 |
| Viceroy Rich Lights | $\bar{x}$ | 9.0±0.2 | 0.80±0.01 | 0.9±0.04 | 10.7±0.2 | 9.3±0.1 |
| 100 mm. | s | 0.5 | 0.03 | 0.1 | 0.5 | 0.2 |
| filter | CV | 5.1 | 3.5 | 9.1 | 4.9 | 2.4 |
| Virginia Slims | $\bar{x}$ | 14.8±0.3 | 1.04±0.03 | 2.0±0.1 | 17.8±0.4 | 8.7±0.1 |
| 100 mm. | s | 0.8 | 0.06 | 0.2 | 1.0 | 0.3 |
| filter | CV | 5.3 | 6.1 | 12.2 | 5.6 | 3.6 |
| Virginia Slims | $\bar{x}$ | 15.0±0.4 | 1.05±0.02 | 2.1±0.1 | 18.1±0.5 | 8.8±0.1 |
| 100 mm. | s | 0.9 | 0.04 | 0.3 | 1.2 | 0.3 |
| filter menthol | CV | 6.0 | 3.8 | 16.1 | 6.5 | 3.7 |
| Virginia Slims Lights | $\bar{x}$ | 8.6±0.2 | 0.69±0.01 | 0.9±0.05 | 10.2±0.3 | 8.3±0.1 |
| 100 mm. | s | 0.5 | 0.03 | 0.1 | 0.6 | 0.3 |
| filter | CV | 6.1 | 4.7 | 11.9 | 5.9 | 3.4 |
| hard pack | | | | | | |
| Virginia Slims Lights | $\bar{x}$ | 8.5±0.3 | 0.71±0.01 | 0.9±0.1 | 10.1±0.3 | 8.3±0.1 |
| 100 mm. | s | 0.6 | 0.03 | 0.1 | 0.6 | 0.3 |
| filter menthol | CV | 7.1 | 4.7 | 14.2 | 6.2 | 3.1 |
| hard pack | | | | | | |
| Winston | $\bar{x}$ | 18.1±0.4 | 1.34±0.03 | 4.3±0.3 | 23.8±0.7 | 8.4±0.2 |
| king size, | s | 1.0 | 0.07 | 0.6 | 1.5 | 0.5 |
| filter | CV | 5.5 | 5.0 | 13.0 | 6.2 | 6.3 |
| hard pack | | | | | | |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/cigt. | Nicotine mg/cigt. | Water mg/cigt. | TPM mg/cigt. | Puff Count |
|---|---|---|---|---|---|---|
| Winston king size, filter soft pack | $\bar{x}$ | 19.1±0.5 | 1.45±0.03 | 4.4±0.3 | 24.9±0.8 | 8.6±0.1 |
| | s | 1.1 | 0.08 | 0.7 | 1.7 | 0.3 |
| | CV | 5.5 | 5.3 | 17.0 | 6.9 | 3.3 |
| Winston 100 mm filter | $\bar{x}$ | 18.7±0.3 | 1.40±0.02 | 2.7±0.1 | 22.7±0.4 | 9.4±0.1 |
| | s | 0.7 | 0.05 | 0.3 | 0.9 | 0.3 |
| | CV | 4.0 | 3.5 | 10.9 | 4.2 | 3.4 |
| Winston 100 mm. filter menthol | $\bar{x}$ | 17.1±0.5 | 1.36±0.04 | 2.2±0.2 | 20.6±0.8 | 9.7±0.2 |
| | s | 1.1 | 0.08 | 0.5 | 1.7 | 0.3 |
| | CV | 6.6 | 6.1 | 24.9 | 8.3 | 3.5 |
| Winston Lights king size, filter | $\bar{x}$ | 14.0±0.3 | 1.14±0.02 | 1.8±0.1 | 17.0±0.3 | 8.2±0.1 |
| | s | 0.6 | 0.06 | 0.2 | 0.7 | 0.2 |
| | CV | 4.3 | 4.8 | 10.4 | 4.4 | 2.5 |
| Winston Lights 100's 100 mm. filter | $\bar{x}$ | 12.9±0.3 | 1.06±0.02 | 1.5±0.1 | 15.4±0.3 | 9.0±0.1 |
| | s | 0.6 | 0.05 | 0.1 | 0.7 | 0.3 |
| | CV | 4.7 | 5.1 | 10.1 | 4.6 | 3.0 |
| Monitor Lorillard Machine A | $\bar{x}$ | 16.7±0.06 | 1.23±0.005 | 3.9±0.05 | 21.9±0.1 | 7.8±0.03 |
| | s | 0.7 | 0.05 | 0.5 | 1.1 | 0.3 |
| | CV | 4.1 | 4.1 | 12.8 | 4.8 | 3.7 |
| Monitor Lorillard Machine B | $\bar{x}$ | 16.4±0.07 | 1.21±0.006 | 3.7±0.07 | 21.2±0.1 | 7.9±0.04 |
| | s | 0.7 | 0.07 | 0.7 | 1.6 | 0.4 |
| | CV | 4.4 | 5.9 | 19.6 | 7.3 | 5.5 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

PART II

PER PUFF DATA

PM3000762485

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Alpine king size, filter menthol | $\bar{x}$ | 1.83±0.05 | 0.123±0.002 | 0.26±0.01 | 2.22±0.06 |
| | s | 0.11 | 0.005 | 0.03 | 0.13 |
| | CV | 5.8 | 4.1 | 12.9 | 6.0 |
| American Lights 120 mm. filter | $\bar{x}$ | 0.77±0.02 | 0.070±0.002 | 0.07±0.005 | 0.91±0.03 |
| | s | 0.05 | 0.005 | 0.01 | 0.06 |
| | CV | 6.9 | 7.3 | 14.1 | 6.7 |
| American Lights 120 mm. filter menthol | $\bar{x}$ | 0.98±0.03 | 0.088±0.002 | 0.09±0.005 | 1.16±0.03 |
| | s | 0.06 | 0.004 | 0.01 | 0.07 |
| | CV | 6.6 | 4.0 | 11.5 | 6.0 |
| Arctic Lights king size, filter menthol | $\bar{x}$ | 1.05±0.03 | 0.094±0.002 | 0.11±0.01 | 1.25±0.03 |
| | s | 0.06 | 0.005 | 0.01 | 0.07 |
| | $\bar{x}$ | 5.6 | 4.8 | 12.2 | 5.6 |
| Arctic Lights 100 mm. filter menthol | $\bar{x}$ | 0.91±0.02 | 0.081±0.002 | 0.09±0.01 | 1.07±0.03 |
| | s | 0.05 | 0.004 | 0.01 | 0.06 |
| | CV | 5.2 | 4.5 | 13.6 | 5.3 |
| Aspen king size, filter menthol | $\bar{x}$ | 1.25±0.03 | 0.118±0.003 | 0.14±0.01 | 1.50±0.04 |
| | s | 0.07 | 0.006 | 0.02 | 0.08 |
| | CV | 5.4 | 4.8 | 15.0 | 5.4 |
| Aspen 100s 100 mm. filter menthol | $\bar{x}$ | 1.09±0.04 | 0.106±0.002 | 0.10±0.01 | 1.29±0.04 |
| | s | 0.08 | 0.006 | 0.01 | 0.10 |
| | CV | 7.7 | 5.2 | 12.1 | 7.6 |
| Belair king size, filter menthol | $\bar{x}$ | 1.18±0.03 | 0.112±0.002 | 0.13±0.01 | 1.42±0.03 |
| | s | 0.06 | 0.006 | 0.02 | 0.07 |
| | CV | 5.1 | 4.9 | 14.6 | 4.9 |
| Belair 100 mm. filter menthol | $\bar{x}$ | 0.93±0.04 | 0.080±0.003 | 0.08±0.01 | 1.10±0.04 |
| | s | 0.09 | 0.006 | 0.01 | 0.10 |
| | CV | 9.3 | 7.9 | 13.6 | 8.8 |



PM3000762486

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Benson & Hedges regular size, filter | $\bar{x}$ | 0.19±0.02 | 0.019±0.001 | 0.02±0.01 | 0.23±0.02 |
| | s | 0.04 | 0.002 | 0.01 | 0.05 |
| | CV | 22.9 | 12.5 | 64.0 | 19.9 |
| Benson & Hedges king size, filter hard pack | $\bar{x}$ | 1.99±0.05 | 0.171±0.004 | 0.30±0.02 | 2.46±0.07 |
| | s | 0.11 | 0.009 | 0.05 | 0.16 |
| | CV | 5.7 | 5.4 | 15.2 | 6.3 |
| Benson & Hedges 100's 100 mm. filter hard pack. | $\bar{x}$ | 1.81±0.03 | 0.129±0.003 | 0.24±0.02 | 2.18±0.05 |
| | s | 0.08 | 0.006 | 0.03 | 0.11 |
| | CV | 4.3 | 4.6 | 14.2 | 4.9 |
| Benson & Hedges 100's 100 mm. filter menthol hard pack | $\bar{x}$ | 1.78±0.04 | 0.128±0.002 | 0.23±0.01 | 2.14±0.04 |
| | s | 0.08 | 0.005 | 0.03 | 0.10 |
| | CV | 4.6 | 3.5 | 13.0 | 4.6 |
| Benson & Hedges 100's 100 mm. filter soft pack | $\bar{x}$ | 1.76±0.03 | 0.128±0.002 | 0.23±0.02 | 2.12±0.05 |
| | s | 0.07 | 0.005 | 0.04 | 0.11 |
| | CV | 4.3 | 4.1 | 16.8 | 5.1 |
| Benson & Hedges 100's 100 mm. filter menthol soft pack | $\bar{x}$ | 1.73±0.04 | 0.126±0.003 | 0.20±0.01 | 2.06±0.05 |
| | s | 0.10 | 0.006 | 0.03 | 0.12 |
| | CV | 5.7 | 4.5 | 12.5 | 5.8 |
| Benson & Hedges Lights 100 mm. filter | $\bar{x}$ | 1.12± 0.04 | 0.090±0.004 | 0.12±0.01 | 1.33±0.05 |
| | s | 0.09 | 0.008 | 0.01 | 0.11 |
| | CV | 7.9 | 8.9 | 11.8 | 8.1 |
| Benson & Hedges Lights 100 mm. filter menthol | $\bar{x}$ | 1.22±0.03 | 0.094±0.002 | 0.13±0.01 | 1.44±0.04 |
| | s | 0.08 | 0.005 | 0.02 | 0.09 |
| | CV | 6.3 | 4.9 | 12.5 | 6.3 |



PM3000762487

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Brookwood king size, filter menthol | $\bar{x}$ | 0.99±0.03 | 0.100±0.002 | 0.10±0.01 | 1.20±0.03 |
| | s | 0.07 | 0.005 | 0.02 | 0.07 |
| | CV | 6.8 | 4.7 | 19.6 | 6.3 |
| Bull Durham king size, filter | $\bar{x}$ | 2.84±0.05 | 0.195±0.003 | 0.59±0.03 | 3.63±0.08 |
| | s | 0.11 | 0.006 | 0.08 | 0.18 |
| | CV | 4.0 | 3.1 | 13.0 | 4.9 |
| Camel regular size, non-filter | $\bar{x}$ | 3.59±0.06 | 0.268±0.004 | 0.62±0.04 | 4.48±0.09 |
| | s | 0.14 | 0.010 | 0.09 | 0.20 |
| | CV | 3.8 | 3.8 | 13.8 | 4.5 |
| Camel king size, filter | $\bar{x}$ | 2.30±0.05 | 0.176±0.004 | 0.52±0.03 | 2.99±0.07 |
| | s | 0.11 | 0.009 | 0.07 | 0.16 |
| | CV | 4.6 | 4.8 | 13.8 | 5.4 |
| Camel Lights king size, filter | $\bar{x}$ | 1.35±0.04 | 0.125±0.002 | 0.16±0.01 | 1.63±0.05 |
| | s | 0.09 | 0.006 | 0.03 | 0.11 |
| | CV | 6.8 | 4.5 | 17.8 | 7.0 |
| Camel Lights 100 mm. filter | $\bar{x}$ | 1.42±0.02 | 0.116±0.002 | 0.15±0.01 | 1.69±0.03 |
| | s | 0.05 | 0.005 | 0.02 | 0.07 |
| | CV | 3.8 | 4.0 | 12.7 | 4.0 |
| Carlton king size, filter hard pack | $\bar{x}$ | 0.04±0.01 | 0.009±0.001 | 0.01±0.003 | 0.06±0.01 |
| | s | 0.03 | 0.002 | 0.01 | 0.03 |
| | CV | 68.1 | 18.7 | 97.9 | 48.2 |
| Carlton king size, filter soft pack | $\bar{x}$ | 0.19±0.02 | 0.023±0.001 | 0.02±0.01 | 0.23±0.02 |
| | s | 0.04 | 0.003 | 0.01 | 0.05 |
| | CV | 22.4 | 12.6 | 67.4 | 19.2 |
| Carlton king size, filter menthol | $\bar{x}$ | 0.13±0.01 | 0.018±0.001 | 0.02±0.01 | 0.17±0.01 |
| | s | 0.03 | 0.002 | 0.01 | 0.03 |
| | CV | 23.8 | 13.5 | 87.1 | 18.4 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Carlton 100's 100 mm. filter | $\bar{x}$ | 0.55±0.03 | 0.052±0.003 | 0.05±0.01 | 0.66±0.04 |
| | s | 0.07 | 0.006 | 0.02 | 0.08 |
| | CV | 13.1 | 11.1 | 36.1 | 12.9 |
| Carlton 100's 100 mm. filter menthol | $\bar{x}$ | 0.50±0.04 | 0.048±0.004 | 0.04±0.01 | 0.58±0.05 |
| | s | 0.10 | 0.009 | 0.02 | 0.12 |
| | CV | 19.8 | 18.8 | 50.9 | 20.7 |
| Chesterfield regular size, non-filter | $\bar{x}$ | 3.32±0.14 | 0.205±0.009 | 0.60±0.04 | 4.12±0.18 |
| | s | 0.31 | 0.019 | 0.09 | 0.41 |
| | CV | 9.3 | 9.5 | 15.7 | 9.8 |
| Chesterfield king size, non-filter | $\bar{x}$ | 3.03±0.08 | 0.195±0.005 | 0.47±0.03 | 3.69±0.10 |
| | s | 0.17 | 0.011 | 0.06 | 0.23 |
| | CV | 5.7 | 5.6 | 12.8 | 6.2 |
| Chesterfield king size, filter | $\bar{x}$ | 2.00±0.05 | 0.141±0.003 | 0.39±0.03 | 2.54±0.07 |
| | s | 0.12 | 0.008 | 0.06 | 0.17 |
| | CV | 6.0 | 5.4 | 14.5 | 6.5 |
| Chesterfield 101 100 mm. filter | $\bar{x}$ | 1.87±0.04 | 0.134±0.002 | 0.26±0.02 | 2.26±0.05 |
| | s | 0.09 | 0.005 | 0.04 | 0.12 |
| | CV | 4.8 | 3.7 | 14.1 | 5.2 |
| Decade king size, filter | $\bar{x}$ | 0.74±0.05 | 0.068±0.004 | 0.07±0.01 | 0.87±0.06 |
| | s | 0.11 | 0.010 | 0.01 | 0.13 |
| | CV | 14.6 | 14.1 | 20.5 | 14.7 |
| Decade king size, filter menthol | $\bar{x}$ | 0.68±0.04 | 0.065±0.003 | 0.06±0.01 | 0.81±0.04 |
| | s | 0.08 | 0.008 | 0.01 | 0.09 |
| | CV | 12.0 | 11.6 | 21.3 | 11.2 |
| Decade 100 mm. filter | $\bar{x}$ | 1.04±0.03 | 0.094±0.003 | 0.11±0.01 | 1.24±0.04 |
| | s | 0.07 | 0.007 | 0.02 | 0.08 |
| | CV | 6.5 | 7.0 | 14.2 | 6.5 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Doral king size, filter | $\bar{x}$ | 1.58±0.06 | 0.129±0.004 | 0.22±0.01 | 1.93±0.07 |
| | s | 0.14 | 0.009 | 0.03 | 0.17 |
| | CV | 8.7 | 7.3 | 13.8 | 8.6 |
| Doral king size, filter menthol | $\bar{x}$ | 1.61±0.03 | 0.130±0.002 | 0.23±0.01 | 1.98±0.05 |
| | s | 0.08 | 0.005 | 0.03 | 0.10 |
| | CV | 4.8 | 4.0 | 11.7 | 5.2 |
| Doral II king size, filter | $\bar{x}$ | 0.76±0.04 | 0.071±0.004 | 0.07±0.01 | 0.91±0.05 |
| | s | 0.09 | 0.008 | 0.02 | 0.11 |
| | CV | 12.3 | 11.4 | 28.2 | 12.2 |
| Doral II king size, filter menthol | $\bar{x}$ | 0.80±0.03 | 0.076±0.003 | 0.08±0.01 | 0.96±0.04 |
| | s | 0.08 | 0.007 | 0.02 | 0.09 |
| | CV | 9.5 | 9.6 | 24.6 | 9.9 |
| DuMaurier king size, filter hard pack | $\bar{x}$ | 1.87±0.05 | 0.132±0.003 | 0.33±0.02 | 2.32±0.06 |
| | s | 0.11 | 0.006 | 0.05 | 0.14 |
| | CV | 5.9 | 4.3 | 14.1 | 6.2 |
| English Ovals regular size, non-filter hard pack | $\bar{x}$ | 2.79±0.11 | 0.230±0.009 | 0.41±0.03 | 3.43±0.15 |
| | s | 0.26 | 0.020 | 0.06 | 0.33 |
| | CV | 9.2 | 8.8 | 14.2 | 9.6 |
| English Ovals king size, non-filter hard pack | $\bar{x}$ | 2.62±0.07 | 0.224±0.005 | 0.34±0.02 | 3.18±0.09 |
| | s | 0.16 | 0.012 | 0.04 | 0.19 |
| | CV | 6.1 | 5.5 | 12.2 | 6.0 |
| Eve 100 mm. filter | $\bar{x}$ | 1.77±0.05 | 0.137±0.004 | 0.26±0.02 | 2.16±0.06 |
| | s | 0.11 | 0.008 | 0.04 | 0.13 |
| | CV | 6.0 | 5.8 | 13.7 | 6.2 |
| Eve 100 mm. filter menthol | $\bar{x}$ | 1.78±0.04 | 0.139±0.003 | 0.25±0.02 | 2.17±0.05 |
| | s | 0.10 | 0.006 | 0.03 | 0.12 |
| | CV | 5.5 | 4.5 | 13.4 | 5.5 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Eve 120's 120 mm. filter | $\bar{x}$ | 1.01±0.03 | 0.083±0.002 | 0.10±0.01 | 1.19±0.04 |
| | s | 0.07 | 0.005 | 0.01 | 0.09 |
| | CV | 7.4 | 5.6 | 13.2 | 7.1 |
| Eve 120's 120 mm. filter menthol | $\bar{x}$ | 1.01±0.04 | 0.081±0.003 | 0.10±0.01 | 1.19±0.05 |
| | s | 0.09 | 0.007 | 0.02 | 0.11 |
| | CV | 9.1 | 8.1 | 17.8 | 9.5 |
| Fatima king size, non-filter | $\bar{x}$ | 3.08±0.09 | 0.196±0.005 | 0.49±0.03 | 3.76±0.11 |
| | s | 0.20 | 0.012 | 0.06 | 0.24 |
| | CV | 6.4 | 6.2 | 11.7 | 6.3 |
| Galaxy king size, filter | $\bar{x}$ | 2.15±0.06 | 0.148±0.003 | 0.34±0.02 | 2.64±0.08 |
| | s | 0.14 | 0.007 | 0.04 | 0.17 |
| | CV | 6.5 | 5.0 | 11.9 | 6.5 |
| Golden Lights king size, filter | $\bar{x}$ | 1.19±0.03 | 0.114±0.003 | 0.12±0.01 | 1.43±0.04 |
| | s | 0.07 | 0.006 | 0.02 | 0.08 |
| | CV | 5.9 | 5.1 | 14.3 | 5.9 |
| Golden Lights king size filter menthol | $\bar{x}$ | 1.09±0.03 | 0.105±0.002 | 0.10±0.01 | 1.29±0.03 |
| | s | 0.07 | 0.006 | 0.02 | 0.08 |
| | CV | 6.1 | 5.3 | 18.1 | 5.9 |
| Golden Lights 100 mm. filter | $\bar{x}$ | 0.99±0.03 | 0.096±0.003 | 0.09±0.01 | 1.18±0.04 |
| | s | 0.08 | 0.007 | 0.01 | 0.09 |
| | CV | 7.8 | 7.0 | 14.0 | 7.7 |
| Golden Lights 100 mm. filter menthol | $\bar{x}$ | 0.98±0.04 | 0.098±0.002 | 0.10±0.01 | 1.18±0.05 |
| | s | 0.09 | 0.005 | 0.01 | 0.11 |
| | CV | 9.5 | 5.5 | 13.8 | 9.0 |
| Half & Half king size, filter | $\bar{x}$ | 1.99±0.06 | 0.163±0.004 | 0.43±0.02 | 2.58±0.08 |
| | s | 0.13 | 0.010 | 0.05 | 0.17 |
| | CV | 6.3 | 6.0 | 12.4 | 6.7 |



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| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Herbert Tareyton king size, non-filter | $\bar{x}$ | 3.03±0.07 | 0.192±0.004 | 0.47±0.02 | 3.70±0.08 |
| | s | 0.15 | 0.009 | 0.05 | 0.18 |
| | CV | 5.0 | 4.5 | 10.5 | 4.8 |
| Home Run regular size, non-filter | $\bar{x}$ | 3.38±0.09 | 0.208±0.006 | 0.64±0.05 | 4.23±0.10 |
| | s | 0.20 | 0.013 | 0.11 | 0.22 |
| | CV | 5.9 | 6.1 | 16.4 | 5.1 |
| Iceberg 100's 100 mm. filter menthol | $\bar{x}$ | 0.42±0.03 | 0.041±0.002 | 0.04±0.005 | 0.50±0.03 |
| | s | 0.06 | 0.005 | 0.01 | 0.07 |
| | CV | 14.9 | 11.4 | 28.8 | 13.7 |
| Kent III king size, filter | $\bar{x}$ | 0.50±0.03 | 0.062±0.003 | 0.03±0.004 | 0.60±0.04 |
| | s | 0.07 | 0.007 | 0.01 | 0.08 |
| | CV | 13.8 | 11.2 | 24.7 | 13.5 |
| Kent III 100 mm. filter | $\bar{x}$ | 0.60±0.03 | 0.071±0.003 | 0.05±0.01 | 0.72±0.03 |
| | s | 0.06 | 0.006 | 0.01 | 0.07 |
| | CV | 10.6 | 8.5 | 26.9 | 10.3 |
| Kent Micronite II king size, filter hard pack | $\bar{x}$ | 1.71±0.04 | 0.134±0.003 | 0.26±0.02 | 2.10±0.05 |
| | s | 0.09 | 0.007 | 0.04 | 0.11 |
| | CV | 5.0 | 4.9 | 15.1 | 5.4 |
| Kent Micronite II king size, filter soft pack | $\bar{x}$ | 1.67±0.03 | 0.132±0.002 | 0.25±0.01 | 2.06±0.05 |
| | s | 0.08 | 0.005 | 0.03 | 0.10 |
| | CV | 4.6 | 3.6 | 12.9 | 5.0 |
| Kent Micronite II 100 mm. filter | $\bar{x}$ | 1.70±0.04 | 0.136±0.002 | 0.20±0.01 | 2.04±0.05 |
| | s | 0.08 | 0.006 | 0.03 | 0.11 |
| | CV | 4.9 | 4.1 | 13.1 | 5.4 |
| Kent Micronite II 100 mm. filter menthol | $\bar{x}$ | 1.70±0.03 | 0.146±0.003 | 0.21±0.01 | 2.06±0.04 |
| | s | 0.08 | 0.006 | 0.02 | 0.09 |
| | CV | 4.6 | 3.8 | 8.2 | 4.3 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Kool regular size, non-filter menthol | $\bar{x}$ | 3.04±0.17 | 0.181±0.008 | 0.43±0.03 | 3.66±0.19 |
| | s | 0.37 | 0.018 | 0.06 | 0.43 |
| | CV | 12.2 | 10.0 | 14.4 | 11.6 |
| Kool king size, filter menthol hard pack | $\bar{x}$ | 2.23±0.04 | 0.186±0.003 | 0.45±0.03 | 2.87±0.06 |
| | s | 0.10 | 0.008 | 0.06 | 0.13 |
| | CV | 4.4 | 4.2 | 12.6 | 4.7 |
| Kool king size, filter menthol soft pack | $\bar{x}$ | 2.15±0.03 | 0.167±0.003 | 0.38±0.02 | 2.70±0.04 |
| | s | 0.07 | 0.006 | 0.05 | 0.10 |
| | CV | 3.2 | 3.5 | 12.7 | 3.6 |
| Kool 100 mm. filter menthol | $\bar{x}$ | 1.73±0.05 | 0.131±0.004 | 0.22±0.02 | 2.08±0.06 |
| | s | 0.11 | 0.009 | 0.03 | 0.13 |
| | CV | 6.1 | 6.5 | 15.7 | 6.5 |
| Kool International 100 mm. filter menthol hard pack | $\bar{x}$ | 0.95±0.03 | 0.080±0.002 | 0.09±0.01 | 1.12±0.03 |
| | s | 0.06 | 0.004 | 0.01 | 0.08 |
| | CV | 6.8 | 5.5 | 14.7 | 6.8 |
| Kool Milds king size, filter menthol | $\bar{x}$ | 1.73±0.05 | 0.140±0.003 | 0.24±0.01 | 2.11±0.06 |
| | s | 0.11 | 0.006 | 0.03 | 0.13 |
| | CV | 6.2 | 4.4 | 12.1 | 6.1 |
| Kool Milds 100 mm. filter menthol | $\bar{x}$ | 1.46±0.03 | 0.131±0.003 | 0.17±0.01 | 1.76±0.04 |
| | s | 0.07 | 0.007 | 0.02 | 0.09 |
| | CV | 5.1 | 5.3 | 10.9 | 5.1 |
| Kool Super Lights king size filter menthol | $\bar{x}$ | 0.99±0.05 | 0.091±0.003 | 0.10±0.01 | 1.19±0.06 |
| | s | 0.11 | 0.007 | 0.02 | 0.13 |
| | CV | 10.6 | 8.1 | 21.2 | 10.7 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Kool Super Lights | $\bar{x}$ | 0.99±0.04 | 0.083±0.002 | 0.09±0.01 | 1.16±0.04 |
| 100 mm. | s | 0.08 | 0.005 | 0.01 | 0.10 |
| filter menthol | CV | 8.4 | 6.0 | 17.3 | 8.6 |
| L & M | $\bar{x}$ | 2.14±0.06 | 0.145±0.004 | 0.54±0.04 | 2.82±0.09 |
| king size, | s | 0.12 | 0.008 | 0.09 | 0.20 |
| filter | CV | 5.8 | 5.7 | 16.2 | 7.1 |
| hard pack | | | | | |
| L & M | $\bar{x}$ | 2.05±0.03 | 0.145±0.003 | 0.41±0.02 | 2.61±0.04 |
| king size, | s | 0.08 | 0.006 | 0.04 | 0.09 |
| filter | CV | 3.7 | 4.0 | 10.7 | 3.6 |
| soft pack | | | | | |
| L & M | $\bar{x}$ | 1.90±0.05 | 0.137±0.004 | 0.27±0.02 | 2.31±0.06 |
| 100 mm. | s | 0.11 | 0.008 | 0.03 | 0.13 |
| filter | CV | 5.8 | 6.2 | 12.5 | 5.6 |
| L & M | $\bar{x}$ | 1.94±0.03 | 0.139±0.003 | 0.27±0.02 | 2.35±0.04 |
| 100 mm. | s | 0.07 | 0.006 | 0.03 | 0.10 |
| filter menthol | CV | 3.6 | 4.2 | 12.6 | 4.2 |
| L & M Lights | $\bar{x}$ | 1.07±0.05 | 0.100±0.004 | 0.11±0.01 | 1.28±0.06 |
| king size, | s | 0.10 | 0.010 | 0.02 | 0.13 |
| filter | CV | 9.7 | 10.0 | 17.9 | 9.7 |
| L & M Lights | $\bar{x}$ | 0.97±0.05 | 0.091±0.003 | 0.09±0.01 | 1.16±0.05 |
| 100 mm. | s | 0.11 | 0.007 | 0.02 | 0.11 |
| filter | CV | 10.9 | 7.6 | 20.2 | 9.7 |
| Lark | $\bar{x}$ | 2.06±0.04 | 0.151±0.002 | 0.40±0.04 | 2.62±0.04 |
| king size, | s | 0.10 | 0.005 | 0.08 | 0.09 |
| filter | CV | 4.7 | 3.2 | 20.0 | 3.5 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Lark | $\bar{x}$ | 1.94±0.04 | 0.143±0.003 | 0.31±0.02 | 2.40±0.06 |
| 100 mm. | s | 0.10 | 0.007 | 0.05 | 0.13 |
| filter | CV | 4.9 | 4.7 | 16.6 | 5.5 |
| Lark II | $\bar{x}$ | 1.20±0.04 | 0.106±0.003 | 0.12±0.01 | 1.43±0.05 |
| king size, | s | 0.08 | 0.006 | 0.02 | 0.10 |
| filter | CV | 7.0 | 5.8 | 17.0 | 7.3 |
| Lark Lights | $\bar{x}$ | 1.17±0.06 | 0.098±0.003 | 0.13±0.01 | 1.39±0.06 |
| king size, | s | 0.13 | 0.006 | 0.02 | 0.14 |
| filter | CV | 10.8 | 6.3 | 16.2 | 10.2 |
| Lark Lights | $\bar{x}$ | 1.04±0.03 | 0.089±0.003 | 0.10±0.01 | 1.23±0.04 |
| 100 mm. | sq | 0.07 | 0.007 | 0.02 | 0.09 |
| filter | CV | 7.2 | 7.4 | 17.8 | 6.9 |
| Long Johns | $\bar{x}$ | 1.17±0.04 | 0.096±0.002 | 0.12±0.01 | 1.38±0.04 |
| 120 mm. | s | 0.08 | 0.006 | 0.02 | 0.10 |
| filter | CV | 7.1 | 5.8 | 12.9 | 7.2 |
| Long Johns | $\bar{x}$ | 1.06±0.03 | 0.094±0.002 | 0.10±0.01 | 1.26±0.04 |
| 120 mm. | s | 0.07 | 0.005 | 0.01 | 0.09 |
| filter menthol | CV | 7.0 | 5.8 | 13.9 | 7.2 |
| Lucky Strike | $\bar{x}$ | 3.23±0.11 | 0.195±0.004 | 0.61±0.04 | 4.03±0.13 |
| regular size, | s | 0.25 | 0.010 | 0.09 | 0.30 |
| non-filter | CV | 7.8 | 4.9 | 14.1 | 7.5 |
| Lucky Ten | $\bar{x}$ | 1.22±0.03 | 0.099±0.002 | 0.14±0.01 | 1.46±0.04 |
| king size, | s | 0.06 | 0.004 | 0.02 | 0.08 |
| filter | CV | 5.1 | 4.0 | 13.9 | 5.6 |
| Lucky 100's | $\bar{x}$ | 0.43±0.04 | 0.041±0.003 | 0.04±0.01 | 0.51±0.04 |
| 100 mm. | s | 0.09 | 0.007 | 0.02 | 0.10 |
| filter | CV | 21.9 | 16.3 | 41.2 | 18.7 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Marlboro king size, filter hard pack | $\bar{x}$ | 2.07±0.04 | 0.140±0.003 | 0.38±0.05 | 2.59±0.07 |
| | s | 0.09 | 0.007 | 0.11 | 0.17 |
| | CV | 4.2 | 4.8 | 28.6 | 6.4 |
| Marlboro king size, filter menthol hard pack | $\bar{x}$ | 1.90±0.04 | 0.128±0.003 | 0.36±0.02 | 2.39±0.06 |
| | s | 0.09 | 0.006 | 0.05 | 0.14 |
| | CV | 4.8 | 4.5 | 14.4 | 5.6 |
| Marlboro king size, filter soft pack | $\bar{x}$ | 2.02±0.04 | 0.140±0.003 | 0.34±0.02 | 2.50±0.05 |
| | s | 0.08 | 0.006 | 0.05 | 0.11 |
| | CV | 4.2 | 4.3 | 13.2 | 4.4 |
| Marlboro king size, filter menthol soft pack | $\bar{x}$ | 1.80±0.05 | 0.120±0.003 | 0.28±0.02 | 2.20±0.06 |
| | s | 0.11 | 0.007 | 0.04 | 0.14 |
| | CV | 5.9 | 6.2 | 15.4 | 6.6 |
| Marlboro 100 mm. filter hard pack | $\bar{x}$ | 1.75±0.04 | 0.127±0.002 | 0.23±0.01 | 2.11±0.04 |
| | s | 0.09 | 0.006 | 0.03 | 0.10 |
| | CV | 4.9 | 4.4 | 13.0 | 4.8 |
| Marlboro 100 mm. filter soft pack | $\bar{x}$ | 1.71±0.04 | 0.126±0.002 | 0.22±0.01 | 2.06±0.05 |
| | s | 0.09 | 0.005 | 0.03 | 0.11 |
| | CV | 5.2 | 3.8 | 11.4 | 5.3 |
| Marlboro Lights king size, filter | $\bar{x}$ | 1.55±0.05 | 0.115±0.003 | 0.18±0.01 | 1.84±0.06 |
| | s | 0.12 | 0.006 | 0.03 | 0.13 |
| | CV | 7.5 | 5.5 | 14.2 | 7.1 |



PM3000762496

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Marlboro Lights | $\bar{x}$ | 1.28±0.02 | 0.096±0.002 | 0.14±0.01 | 1.51±0.03 |
| 100 mm. | s | 0.05 | 0.005 | 0.02 | 0.07 |
| filter | CV | 4.2 | 4.9 | 13.2 | 4.3 |
| Max | $\bar{x}$ | 1.71±0.04 | 0.150±0.004 | 0.24±0.01 | 2.09±0.05 |
| 120 mm. | s | 0.09 | 0.008 | 0.03 | 0.12 |
| filter | CV | 5.1 | 5.4 | 13.3 | 5.6 |
| Max | $\bar{x}$ | 1.77±0.04 | 0.155±0.004 | 0.28±0.02 | 2.21±0.06 |
| 120 mm. | s | 0.09 | 0.008 | 0.05 | 0.13 |
| filter menthol | CV | 5.1 | 5.2 | 16.3 | 5.9 |
| Merit | $\bar{x}$ | 1.12±0.03 | 0.087±0.003 | 0.13±0.01 | 1.33±0.04 |
| king size, | s | 0.07 | 0.006 | 0.02 | 0.09 |
| filter | CV | 6.5 | 6.7 | 15.6 | 6.5 |
| Merit | $\bar{x}$ | 1.14±0.03 | 0.088±0.002 | 0.13±0.01 | 1.35±0.03 |
| king size, | s | 0.06 | 0.005 | 0.02 | 0.07 |
| filter menthol | CV | 5.0 | 5.3 | 11.9 | 5.0 |
| Merit 100's | $\bar{x}$ | 1.11±0.03 | 0.090±0.002 | 0.13±0.01 | 1.33±0.03 |
| 100 mm. | s | 0.06 | 0.005 | 0.01 | 0.08 |
| filter | CV | 5.7 | 5.7 | 10.9 | 5.8 |
| Merit 100's | $\bar{x}$ | 1.19±0.03 | 0.093±0.002 | 0.14±0.01 | 1.41±0.04 |
| 100 mm. | s | 0.07 | 0.004 | 0.02 | 0.09 |
| filter menthol | CV | 6.3 | 4.5 | 11.3 | 6.2 |
| Montclair | $\bar{x}$ | 2.17±0.04 | 0.152±0.003 | 0.57±0.03 | 2.89±0.07 |
| king size, | s | 0.10 | 0.007 | 0.07 | 0.16 |
| filter menthol | CV | 4.6 | 4.8 | 13.1 | 5.4 |
| More | $\bar{x}$ | 1.51±0.06 | 0.123±0.003 | 0.18±0.02 | 1.81±0.07 |
| 120 mm. | s | 0.13 | 0.008 | 0.04 | 0.17 |
| filter | CV | 8.7 | 6.2 | 19.6 | 9.2 |



PM3000762497

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| More | $\bar{x}$ | 1.52±0.04 | 0.126±0.002 | 0.19±0.01 | 1.83±0.05 |
| 120 mm. | s | 0.09 | 0.006 | 0.02 | 0.12 |
| filter menthol | CV | 6.2 | 4.4 | 12.4 | 6.4 |
| Multifilter | $\bar{x}$ | 1.64±0.05 | 0.119±0.003 | 0.24±0.01 | 2.00±0.06 |
| king size, | s | 0.11 | 0.006 | 0.03 | 0.14 |
| filter | CV | 6.8 | 5.1 | 11.4 | 7.0 |
| Multifilter | $\bar{x}$ | 1.73±0.06 | 0.120±0.004 | 0.24±0.01 | 2.09±0.07 |
| king size, | s | 0.13 | 0.009 | 0.03 | 0.16 |
| filter menthol | CV | 7.7 | 7.5 | 12.3 | 7.9 |
| Newport | $\bar{x}$ | 2.23±0.05 | 0.178±0.004 | 0.57±0.03 | 2.98±0.08 |
| king size, | s | 0.11 | 0.008 | 0.08 | 0.17 |
| filter menthol | CV | 4.8 | 4.7 | 13.2 | 5.8 |
| hard pack | | | | | |
| Newport | $\bar{x}$ | 2.22±0.05 | 0.176±0.004 | 0.53±0.03 | 2.92±0.08 |
| king size, | s | 0.11 | 0.010 | 0.07 | 0.18 |
| filter menthol | CV | 5.0 | 5.7 | 13.2 | 6.0 |
| soft pack | | | | | |
| Newport | $\bar{x}$ | 2.27±0.05 | 0.183±0.004 | 0.41±0.02 | 2.86±0.06 |
| 100 mm. | s | 0.11 | 0.010 | 0.04 | 0.14 |
| filter menthol | CV | 5.0 | 5.4 | 10.2 | 4.9 |
| Newport Lights | $\bar{x}$ | 1.45±0.05 | 0.135±0.004 | 0.18±0.01 | 1.77±0.06 |
| king size, | s | 0.11 | 0.008 | 0.02 | 0.14 |
| filter menthol | CV | 7.9 | 6.1 | 13.0 | 7.7 |
| Now | $\bar{x}$ | 0.27±0.02 | 0.031±0.002 | 0.02±0.005 | 0.33±0.02 |
| king size, | s | 0.04 | 0.004 | 0.01 | 0.05 |
| filter | CV | 15.9 | 12.0 | 44.8 | 14.0 |
| hard pack | | | | | |



PM3000762498

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Now king size, filter menthol hard pack | $\bar{x}$ | 0.32±0.02 | 0.037±0.002 | 0.03±0.004 | 0.39±0.03 |
| | s | 0.06 | 0.005 | 0.01 | 0.06 |
| | CV | 17.0 | 12.6 | 29.6 | 15.5 |
| Now king size, filter soft pack | $\bar{x}$ | 0.29±0.03 | 0.034±0.002 | 0.03±0.005 | 0.35±0.04 |
| | s | 0.08 | 0.004 | 0.01 | 0.08 |
| | CV | 27.2 | 12.5 | 39.9 | 23.0 |
| Now king size, filter menthol soft pack | $\bar{x}$ | 0.31±0.02 | 0.036±0.002 | 0.03±0.01 | 0.38±0.03 |
| | s | 0.05 | 0.004 | 0.01 | 0.06 |
| | CV | 15.3 | 12.6 | 42.1 | 15.6 |
| Oasis king size, filter menthol | $\bar{x}$ | 2.07±0.05 | 0.144±0.003 | 0.46±0.02 | 2.68±0.07 |
| | s | 0.11 | 0.007 | 0.05 | 0.15 |
| | CV | 5.4 | 4.7 | 11.4 | 5.6 |
| Old Gold Straights king size, non-filter | $\bar{x}$ | 3.07±0.07 | 0.198±0.003 | 0.53±0.02 | 3.80±0.09 |
| | s | 0.15 | 0.007 | 0.05 | 0.19 |
| | CV | 4.8 | 3.6 | 9.7 | 5.1 |
| Old Gold Filters king size, filter | $\bar{x}$ | 2.11±0.04 | 0.170±0.003 | 0.49±0.03 | 2.77±0.06 |
| | s | 0.09 | 0.006 | 0.06 | 0.13 |
| | CV | 4.3 | 3.3 | 12.3 | 4.8 |
| Old Gold 100's 100 mm. filter | $\bar{x}$ | 2.29±0.03 | 0.182±0.003 | 0.40±0.02 | 2.87±0.05 |
| | s | 0.08 | 0.006 | 0.05 | 0.12 |
| | CV | 3.4 | 3.3 | 13.7 | 4.1 |
| Old Gold Lights king size, filter | $\bar{x}$ | 1.50±0.05 | 0.133±0.004 | 0.17±0.01 | 1.80±0.06 |
| | s | 0.11 | 0.008 | 0.02 | 0.13 |
| | CV | 7.1 | 6.2 | 11.9 | 7.2 |



PM3000762499

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Pall Mall king size, non-filter | $\bar{x}$ | 2.88±0.08 | 0.174±0.004 | 0.43±0.03 | 3.48±0.09 |
| | s | 0.17 | 0.010 | 0.06 | 0.21 |
| | CV | 5.9 | 5.8 | 13.7 | 6.0 |
| Pall Mall king size, filter | $\bar{x}$ | 2.07±0.04 | 0.145±0.002 | 0.46±0.03 | 2.68±0.07 |
| | s | 0.10 | 0.005 | 0.07 | 0.15 |
| | CV | 4.8 | 3.6 | 14.5 | 5.6 |
| Pall Mall 100 mm. filter | $\bar{x}$ | 1.80±0.05 | 0.138±0.004 | 0.25±0.02 | 2.19±0.06 |
| | s | 0.11 | 0.008 | 0.03 | 0.13 |
| | CV | 6.2 | 5.8 | 13.9 | 6.1 |
| Pall Mall Extra Light king size, filter | $\bar{x}$ | 0.88±0.04 | 0.083±0.003 | 0.09±0.01 | 1.05±0.05 |
| | s | 0.09 | 0.007 | 0.01 | 0.11 |
| | CV | 10.6 | 8.1 | 15.7 | 10.1 |
| Pall Mall Light 100's 100 mm. filter | $\bar{x}$ | 1.27±0.05 | 0.105±0.003 | 0.13±0.01 | 1.51±0.06 |
| | s | 0.11 | 0.008 | 0.02 | 0.13 |
| | CV | 8.6 | 7.2 | 12.9 | 8.5 |
| Pall Mall Light 100's 100 mm. filter menthol | $\bar{x}$ | 1.52±0.06 | 0.128±0.004 | 0.21±0.03 | 1.86±0.08 |
| | s | 0.14 | 0.010 | 0.06 | 0.19 |
| | CV | 9.0 | 7.8 | 29.4 | 10.0 |
| Parliament Lights king size, filter hard pack | $\bar{x}$ | 1.24±0.06 | 0.101±0.003 | 0.15±0.01 | 1.50±0.06 |
| | s | 0.12 | 0.006 | 0.03 | 0.14 |
| | CV | 10.0 | 6.3 | 17.6 | 9.5 |
| Parliament Lights king size, filter soft pack | $\bar{x}$ | 1.20±0.04 | 0.097±0.002 | 0.15±0.01 | 1.45±0.05 |
| | s | 0.10 | 0.005 | 0.02 | 0.12 |
| | CV | 7.9 | 5.5 | 16.4 | 8.2 |
| Parliament Light 100's 100 mm. filter | $\bar{x}$ | 1.23±0.03 | 0.102±0.002 | 0.14±0.01 | 1.47±0.03 |
| | s | 0.06 | 0.005 | 0.01 | 0.08 |
| | CV | 5.0 | 5.1 | 10.4 | 5.2 |



PM3000762500

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Philip Morris regular size, non-filter | $\bar{x}$ | 3.22±0.08 | 0.211±0.004 | 0.50±0.03 | 3.94±0.10 |
| | s | 0.17 | 0.009 | 0.06 | 0.23 |
| | CV | 5.3 | 4.2 | 12.9 | 5.7 |
| Philip Morris Commander king size, non-filter | $\bar{x}$ | 2.98±0.05 | 0.199±0.003 | 0.46±0.03 | 3.63±0.08 |
| | s | 0.12 | 0.008 | 0.06 | 0.17 |
| | CV | 4.0 | 3.8 | 12.7 | 4.6 |
| Philip Morris International 100 mm. filter | $\bar{x}$ | 2.09±0.06 | 0.144±0.003 | 0.32±0.02 | 2.55±0.07 |
| | s | 0.13 | 0.007 | 0.04 | 0.16 |
| | CV | 6.3 | 4.9 | 12.6 | 6.2 |
| Philip Morris International 100 mm. filter menthol | $\bar{x}$ | 1.91±0.05 | 0.125±0.003 | 0.29±0.03 | 2.33±0.07 |
| | s | 0.11 | 0.006 | 0.06 | 0.16 |
| | CV | 6.0 | 4.8 | 19.9 | 7.1 |
| Picayune regular size, non-filter | $\bar{x}$ | 3.45±0.05 | 0.217±0.003 | 0.61±0.03 | 4.28±0.07 |
| | s | 0.11 | 0.008 | 0.07 | 0.16 |
| | CV | 3.3 | 3.5 | 12.1 | 3.7 |
| Piedmont regular size, non-filter | $\bar{x}$ | 3.23±0.10 | 0.199±0.005 | 0.55±0.03 | 3.98±0.13 |
| | s | 0.22 | 0.012 | 0.07 | 0.28 |
| | CV | 6.7 | 5.9 | 13.5 | 7.1 |
| Players regular size, non-filter | $\bar{x}$ | 2.91±0.09 | 0.239±0.007 | 0.33±0.01 | 3.48±0.11 |
| | s | 0.20 | 0.016 | 0.03 | 0.24 |
| | CV | 7.0 | 6.7 | 9.9 | 7.0 |
| Raleigh king size, non-filter | $\bar{x}$ | 2.97±0.08 | 0.176±0.004 | 0.39±0.02 | 3.53±0.10 |
| | s | 0.19 | 0.009 | 0.05 | 0.21 |
| | CV | 6.4 | 5.0 | 11.8 | 6.0 |
| Raleigh king size, filter | $\bar{x}$ | 1.98±0.06 | 0.137±0.004 | 0.36±0.02 | 2.48±0.08 |
| | s | 0.12 | 0.008 | 0.05 | 0.17 |
| | CV | 6.3 | 6.1 | 14.6 | 6.9 |



PM3000762501

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Raleigh 100 mm. filter | $\bar{x}$ | 1.82±0.03 | 0.138±0.002 | 0.25±0.01 | 2.21±0.04 |
| | s | 0.07 | 0.005 | 0.03 | 0.09 |
| | CV | 3.9 | 3.4 | 11.5 | 4.3 |
| Raleigh Lights king size, filter | $\bar{x}$ | 1.11±0.03 | 0.099±0.003 | 0.12±0.01 | 1.33±0.04 |
| | s | 0.07 | 0.007 | 0.01 | 0.09 |
| | CV | 6.7 | 6.6 | 11.2 | 6.8 |
| Raleigh Lights 100's 100 mm. filter | $\bar{x}$ | 1.02±0.04 | 0.091±0.003 | 0.10±0.01 | 1.21±0.05 |
| | s | 0.09 | 0.007 | 0.02 | 0.11 |
| | CV | 9.1 | 7.8 | 14.8 | 9.1 |
| Real king size, filter | $\bar{x}$ | 1.31±0.02 | 0.122±0.002 | 0.16±0.01 | 1.59±0.03 |
| | s | 0.06 | 0.004 | 0.02 | 0.06 |
| | CV | 4.2 | 3.7 | 14.9 | 3.9 |
| Real king size, filter menthol | $\bar{x}$ | 1.20±0.03 | 0.116±0.002 | 0.13±0.01 | 1.44±0.03 |
| | s | 0.06 | 0.004 | 0.02 | 0.06 |
| | CV | 4.9 | 3.7 | 17.6 | 4.5 |
| St. Moritz 100 mm. filter | $\bar{x}$ | 1.72±0.03 | 0.137±0.003 | 0.24±0.01 | 2.10±0.05 |
| | s | 0.08 | 0.006 | 0.03 | 0.10 |
| | CV | 4.5 | 4.5 | 11.9 | 4.9 |
| St. Moritz 100 mm. filter menthol | $\bar{x}$ | 1.75±0.06 | 0.138±0.004 | 0.24±0.02 | 2.13±0.07 |
| | s | 0.13 | 0.009 | 0.06 | 0.15 |
| | CV | 7.4 | 6.6 | 23.6 | 7.1 |
| Salem king size, filter menthol hard pack | $\bar{x}$ | 1.94±0.03 | 0.146±0.002 | 0.43±0.02 | 2.51±0.04 |
| | s | 0.07 | 0.004 | 0.04 | 0.09 |
| | CV | 3.7 | 2.8 | 9.6 | 3.6 |
| Salem king size, filter menthol soft pack | $\bar{x}$ | 1.92±0.06 | 0.146±0.003 | 0.39±0.03 | 2.46±0.09 |
| | s | 0.14 | 0.006 | 0.06 | 0.19 |
| | CV | 7.3 | 4.1 | 16.4 | 7.8 |



PM3000762502

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Salem | $\bar{x}$ | 1.98±0.04 | 0.155±0.002 | 0.30±0.02 | 2.44±0.04 |
| 100 mm. | s | 0.08 | 0.005 | 0.03 | 0.10 |
| filter menthol | CV | 4.1 | 3.1 | 11.4 | 4.0 |
| Salem Lights | $\bar{x}$ | 1.48±0.07 | 0.120±0.004 | 0.18±0.01 | 1.78±0.08 |
| king size, | s | 0.16 | 0.008 | 0.03 | 0.17 |
| filter menthol | CV | 10.7 | 6.7 | 14.9 | 9.8 |
| Salem Light 100's | $\bar{x}$ | 1.16±0.04 | 0.101±0.002 | 0.11±0.01 | 1.38±0.04 |
| 100 mm. | s | 0.08 | 0.005 | 0.01 | 0.09 |
| filter menthol | CV | 7.2 | 5.0 | 10.4 | 6.6 |
| Saratoga | $\bar{x}$ | 1.29±0.04 | 0.093±0.002 | 0.15±0.01 | 1.53±0.05 |
| 120 mm. | s | 0.09 | 0.005 | 0.02 | 0.10 |
| filter | CV | 6.7 | 5.2 | 11.9 | 6.7 |
| hard pack | | | | | |
| Saratoga | $\bar{x}$ | 1.28±0.04 | 0.090±0.002 | 0.16±0.01 | 1.53±0.05 |
| 120 mm. | s | 0.09 | 0.004 | 0.02 | 0.11 |
| filter menthol | CV | 7.1 | 4.8 | 14.6 | 7.0 |
| hard pack | | | | | |
| Silva Thins | $\bar{x}$ | 1.41±0.06 | 0.123±0.005 | 0.16±0.01 | 1.69±0.07 |
| 100 mm. | s | 0.14 | 0.012 | 0.03 | 0.16 |
| filter | CV | 9.7 | 9.7 | 16.7 | 9.7 |
| Silva Thins | $\bar{x}$ | 1.22±0.05 | 0.097±0.004 | 0.14±0.01 | 1.46±0.07 |
| 100 mm. | s | 0.12 | 0.008 | 0.03 | 0.15 |
| filter menthol | CV | 9.6 | 8.7 | 21.4 | 10.3 |
| Spring 100's | $\bar{x}$ | 2.20±0.04 | 0.129±0.002 | 0.37±0.02 | 2.70±0.05 |
| 100 mm. | s | 0.08 | 0.005 | 0.04 | 0.12 |
| filter menthol | CV | 3.8 | 4.2 | 11.4 | 4.3 |
| Tall | $\bar{x}$ | 1.16±0.03 | 0.094±0.002 | 0.12±0.01 | 1.37±0.04 |
| 120 mm. | s | 0.08 | 0.005 | 0.02 | 0.09 |
| filter | CV | 6.7 | 5.1 | 14.4 | 6.3 |



PM3000762503

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Tall 120 mm. filter menthol | $\bar{x}$ | 1.05±0.04 | 0.089±0.003 | 0.11±0.01 | 1.25±0.05 |
| | s | 0.09 | 0.006 | 0.01 | 0.11 |
| | CV | 8.4 | 7.1 | 13.1 | 8.4 |
| Tareyton king size, filter | $\bar{x}$ | 1.74±0.04 | 0.121±0.003 | 0.41±0.02 | 2.27±0.06 |
| | s | 0.08 | 0.006 | 0.05 | 0.13 |
| | CV | 4.8 | 4.8 | 13.3 | 5.7 |
| Tareyton 100 mm. filter | $\bar{x}$ | 1.60±0.03 | 0.117±0.002 | 0.26±0.01 | 1.98±0.04 |
| | s | 0.07 | 0.004 | 0.03 | 0.09 |
| | CV | 4.1 | 3.6 | 11.6 | 4.5 |
| Tareyton Lights king size, filter | $\bar{x}$ | 0.88±0.05 | 0.077±0.004 | 0.09±0.01 | 1.04±0.06 |
| | s | 0.12 | 0.009 | 0.02 | 0.14 |
| | CV | 13.5 | 11.1 | 19.6 | 13.4 |
| Tareyton Long Lights 100 mm. filter | $\bar{x}$ | 0.81±0.03 | 0.070±0.002 | 0.08±0.004 | 0.96±0.03 |
| | s | 0.06 | 0.004 | 0.01 | 0.07 |
| | CV | 7.8 | 6.1 | 9.9 | 7.4 |
| Tareyton Ultra Low Tar king size, filter menthol | $\bar{x}$ | 0.26±0.02 | 0.029±0.002 | 0.02±0.003 | 0.30±0.02 |
| | s | 0.05 | 0.004 | 0.01 | 0.05 |
| | CV | 18.6 | 12.6 | 40.9 | 17.8 |
| Tempo king size, filter | $\bar{x}$ | 0.90±0.03 | 0.079±0.002 | 0.09±0.01 | 1.07±0.04 |
| | s | 0.07 | 0.005 | 0.01 | 0.09 |
| | CV | 8.2 | 5.9 | 16.3 | 8.3 |
| Triumph king size, filter | $\bar{x}$ | 0.46±0.02 | 0.063±0.002 | 0.03±0.004 | 0.56±0.02 |
| | s | 0.05 | 0.005 | 0.01 | 0.05 |
| | CV | 10.4 | 7.6 | 29.0 | 9.8 |
| Triumph king size, filter menthol | $\bar{x}$ | 0.43±0.06 | 0.061±0.003 | 0.03±0.004 | 0.53±0.06 |
| | s | 0.12 | 0.008 | 0.01 | 0.13 |
| | CV | 28.6 | 12.5 | 26.1 | 24.9 |



PM3000762504

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| True king size, filter | $\bar{x}$ | 0.87±0.04 | 0.080±0.003 | 0.09±0.01 | 1.05±0.05 |
| | s | 0.08 | 0.008 | 0.02 | 0.10 |
| | CV | 9.2 | 9.4 | 22.6 | 9.7 |
| True king size, filter menthol | $\bar{x}$ | 0.89±0.05 | 0.080±0.003 | 0.10±0.01 | 1.07±0.06 |
| | s | 0.11 | 0.007 | 0.02 | 0.13 |
| | CV | 12.2 | 8.6 | 21.3 | 11.8 |
| True 100's 100 mm. filter | $\bar{x}$ | 1.25±0.06 | 0.096±0.003 | 0.16±0.01 | 1.50±0.07 |
| | s | 0.13 | 0.007 | 0.03 | 0.16 |
| | CV | 10.5 | 7.6 | 19.5 | 10.7 |
| True 100's 100 mm. filter menthol | $\bar{x}$ | 1.32±0.04 | 0.096±0.002 | 0.18±0.01 | 1.60±0.05 |
| | s | 0.09 | 0.005 | 0.03 | 0.12 |
| | CV | 7.2 | 4.9 | 17.1 | 7.6 |
| Twist 100 mm. filter lemon/menthol | $\bar{x}$ | 1.70±0.06 | 0.140±0.005 | 0.25±0.02 | 2.08±0.08 |
| | s | 0.13 | 0.011 | 0.05 | 0.18 |
| | CV | 7.9 | 8.1 | 20.3 | 8.5 |
| Vantage king size, filter | $\bar{x}$ | 1.48±0.05 | 0.120±0.004 | 0.21±0.01 | 1.81±0.07 |
| | s | 0.12 | 0.008 | 0.03 | 0.16 |
| | CV | 8.1 | 6.6 | 15.9 | 8.7 |
| Vantage king size, filter menthol | $\bar{x}$ | 1.42±0.03 | 0.115±0.003 | 0.18±0.01 | 1.71±0.04 |
| | s | 0.07 | 0.006 | 0.02 | 0.09 |
| | CV | 5.0 | 5.0 | 12.3 | 5.0 |
| Vantage Ultra Light king size, filter | $\bar{x}$ | 0.92±0.03 | 0.088±0.002 | 0.10±0.01 | 1.10±0.04 |
| | s | 0.07 | 0.005 | 0.01 | 0.08 |
| | CV | 8.0 | 6.2 | 12.3 | 7.7 |
| Vantage 100's 100 mm. filter | $\bar{x}$ | 1.21±0.04 | 0.104±0.003 | 0.14±0.01 | 1.46±0.05 |
| | s | 0.09 | 0.006 | 0.02 | 0.10 |
| | CV | 7.3 | 6.0 | 10.5 | 7.1 |



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| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Viceroy king size, filter | $\bar{x}$ | 1.91±0.04 | 0.133±0.002 | 0.36±0.02 | 2.41±0.05 |
| | s | 0.08 | 0.005 | 0.05 | 0.12 |
| | CV | 4.4 | 3.4 | 13.5 | 5.0 |
| Viceroy Super Longs 100 mm. filter | $\bar{x}$ | 1.70±0.04 | 0.130±0.003 | 0.24±0.02 | 2.07±0.05 |
| | s | 0.10 | 0.007 | 0.04 | 0.11 |
| | CV | 5.7 | 5.1 | 16.0 | 5.5 |
| Viceroy Rich Lights king size, filter | $\bar{x}$ | 1.03±0.06 | 0.094±0.004 | 0.11±0.01 | 1.24±0.07 |
| | s | 0.13 | 0.008 | 0.02 | 0.16 |
| | CV | 13.1 | 9.0 | 18.8 | 12.8 |
| Viceroy Rich Lights 100 mm. filter | $\bar{x}$ | 0.97±0.02 | 0.086±0.002 | 0.10±0.004 | 1.15±0.03 |
| | s | 0.05 | 0.004 | 0.01 | 0.06 |
| | CV | 5.2 | 4.1 | 9.0 | 4.9 |
| Virginia Slims 100 mm. filter | $\bar{x}$ | 1.70±0.05 | 0.120±0.003 | 0.23±0.01 | 2.05±0.06 |
| | s | 0.11 | 0.007 | 0.03 | 0.13 |
| | CV | 6.3 | 5.5 | 12.4 | 6.4 |
| Virginia Slims 100 mm. filter menthol | $\bar{x}$ | 1.70±0.04 | 0.120±0.001 | 0.23±0.02 | 2.05±0.05 |
| | s | 0.09 | 0.003 | 0.03 | 0.11 |
| | CV | 5.1 | 2.6 | 14.8 | 5.5 |
| Virginia Slims Lights 100 mm. filter hard pack | $\bar{x}$ | 1.04±0.03 | 0.083±0.002 | 0.11±0.01 | 1.24±0.03 |
| | s | 0.07 | 0.004 | 0.01 | 0.08 |
| | CV | 6.5 | 4.8 | 11.0 | 6.2 |
| Virginia Slims Lights 100 mm. filter menthol hard pack | $\bar{x}$ | 1.02±0.03 | 0.085±0.002 | 0.11±0.01 | 1.22±0.03 |
| | s | 0.07 | 0.004 | 0.02 | 0.08 |
| | CV | 6.9 | 4.6 | 15.1 | 6.2 |
| Winston king size, filter hard pack | $\bar{x}$ | 2.16±0.06 | 0.160±0.004 | 0.52±0.03 | 2.84±0.09 |
| | s | 0.14 | 0.010 | 0.06 | 0.19 |
| | CV | 6.7 | 6.3 | 12.5 | 6.8 |



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Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | | Tar mg/puff | Nicotine mg/puff | Water mg/puff | TPM mg/puff |
|---|---|---|---|---|---|
| Winston king size, filter soft pack | $\bar{x}$ | 2.22±0.05 | 0.169±0.004 | 0.51±0.04 | 2.90±0.08 |
| | s | 0.11 | 0.008 | 0.08 | 0.17 |
| | CV | 4.8 | 5.0 | 15.8 | 5.8 |
| Winston 100 mm. filter | $\bar{x}$ | 1.99±0.03 | 0.149±0.002 | 0.28±0.01 | 2.42±0.04 |
| | s | 0.07 | 0.005 | 0.03 | 0.08 |
| | CV | 3.5 | 3.2 | 9.5 | 3.3 |
| Winston 100 mm. filter menthol | $\bar{x}$ | 1.76±0.05 | 0.141±0.003 | 0.22±0.02 | 2.13±0.07 |
| | s | 0.11 | 0.007 | 0.05 | 0.16 |
| | CV | 6.2 | 4.7 | 23.4 | 7.5 |
| Winston Lights king size, filter | $\bar{x}$ | 1.72±0.03 | 0.140±0.003 | 0.22±0.01 | 2.07±0.03 |
| | s | 0.06 | 0.006 | 0.02 | 0.07 |
| | CV | 3.3 | 4.3 | 9.6 | 3.3 |
| Winston Lights 100's 100 mm. filter | $\bar{x}$ | 1.43±0.03 | 0.118±0.002 | 0.16±0.01 | 1.72±0.03 |
| | s | 0.06 | 0.005 | 0.02 | 0.07 |
| | CV | 4.2 | 4.6 | 10.8 | 4.3 |



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BUTT LENGTH

PM3000762508

Source: https://www.industrydocuments.ucsf.edu/docs/xzvl0001

| BRAND | BUTT LENGTH |
|---|---|
| Alpine KFM | 28, 29, 30 |
| American Lights 120-F | 47, 48, 49 |
| American Lights 120-FM | 48, 49 |
| Arctic Lights KFM | 33, 34 |
| Arctic Lights 100-FM | 34, 35, 36 |
| Aspen KFM | 35, 36 |
| Aspen 100s 100-FM | 37, 38, 39 |
| Belair KFM | 33, 34 |
| Belair 100-FM | 38, 39, 40 |
| Benson & Hedges RFHP | 33, 34 |
| Benson & Hedges KFHP | 33, 34 |
| Benson & Hedges 100's 100-FHP | 34, 35, 36 |
| Benson & Hedges 100's 100-FMSP | 34, 35 36 |
| Benson & Hedges 100's 100-FSP | 34, 35, 36 |
| Benson & Hedges 100's 100-FMSP | 34, 35, 36 |
| Benson & Hedges Lights 100-F | 38, 39, 40 |
| Benson & Hedges Lights 100-FM | 38, 39, 40 |
| Brookwood KFM | 32, 33, 34 |
| Bull Durham KF | 26, 27, 28 |
| Camel RNF | 23 |
| Camel KF | 27, 28, 29 |
| Camel Lights KF | 32, 33, 34 |
| Camel Lights 100-F | 37, 38 |
| Carlton KFHP | 33, 34 |
| Carlton KFSP | 32, 33, 34 |
| Carlton KFM | 32, 33, 34 |
| Carlton 100's 100-F | 33, 34, 35, 36, 37 |
| Carlton 100's 100-FM | 33, 34, 35, 36, 37 |
| Chesterfield RNF | 23 |
| Chesterfield KNF | 23 |
| Chesterfield KFSP | 28, 29, 30 |
| Chesterfield 101 100-F | 35, 36 |
| Decade KF | 32, 33, 34 |
| Decade KFM | 32, 33, 34 |
| Decade 100-F | 37, 38, 39 |
| Doral KF | 32, 33, 34 |
| Doral KFM | 32, 33, 34 |
| Doral II KF | 36, 37, 38 |
| Doral II KFM | 36, 37, 38 |
| DuMaurier KFHP | 29, 30 |
| English Ovals RNFHP | 23 |
| English Ovals KNFHP | 23 |
| Eve 100-F | 35, 36 |
| Eve 100-FM | 35 |
| Eve 120's 120 FHP | 38, 39 |
| Eve 120's 120 FMHP | 37, 38, 39, 40 |
| Fatima KNF | 23 |
| Galaxy KF | 33, 34 |
| Golden Lights KF | 35, 36, 37 |
| Golden Lights KFM | 35, 36, 37 |
| Golden Lights 100-F | 37, 38, 39 |
| Golden Lights 100-FM | 38, 39 |
| Half & Half KF | 27, 28 |



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| BRAND | BUTT LENGTH |
|---|---|
| Herbert Tareyton KNF | 23 |
| Home Run RNF | 23 |
| Iceberg 100's 100-FM | 34, 35, 36, 37, 38 |
| Kent III KF | 34, 35, 36 |
| Kent III 100-F | 37, 38, 39 |
| Kent Micronite II KFHP | 28, 29, 30 |
| Kent Micronite II KFSP | 27, 28, 29, 30, 31 |
| Kent Micronite II 100-F | 34, 35, 36 |
| Kent Micronite II 100-FM | 35, 36 |
| Kool RNFM | 23 |
| Kool KFMHP | 25, 26, 27 |
| Kool KFMSP | 29, 30 |
| Kool 100-FM | 34, 35, 36 |
| Kool International 100-FMHP | 33, 34 |
| Kool Milds KFM | 33, 34, 35 |
| Kool Milds 100-FM | 39, 40 |
| Kool Super Lights KFM | 32, 33, 34 |
| Kool Super Lights 100-FM | 39, 40 |
| L & M KFHP | 26, 27, 28 |
| L & M KFSP | 28, 29, 30 |
| L & M 100-F | 34, 35, 36 |
| L & M 100-FM | 34, 35, 36 |
| L & M Lights KF | 32, 33, 34 |
| L & M Lights 100-F | 37, 38, 39 |
| Lark KF | 28, 29 |
| Lark 100-F | 32, 33, 34 |
| Lark II KF | 32, 33, 34 |
| Lark Lights KF | 32, 33, 34 |
| Lark Lights 100-F | 38, 39 |
| Long Johns 120-F | 37, 38, 39 |
| Long Johns 120-FM | 37, 38, 39 |
| Lucky Strike RNF | 23 |
| Lucky Ten KF | 32, 33, 34, 35 |
| Lucky 100's 100-F | 34, 35, 36, 38 |
| Marlboro KFHP | 25, 26, 27 |
| Marlboro KFMHP | 26, 27 |
| Marlboro KFSP | 27, 28, 29 |
| Marlboro KFMSP | 29, 30 |
| Marlboro 100-FHP | 34, 35 |
| Marlboro 100-FSP | 34, 35, 36 |
| Marlboro Lights KF | 33, 34, 35 |
| Marlboro Lights 100-F | 39, 40 |
| Max 120-F | 38, 39 |
| Max 120-FM | 36, 37, 38, 39, 40 |
| Merit KF | 34, 35, 36 |
| Merit KFM | 34, 35, 36 |
| Merit 100's 100-F | 39, 40 |
| Merit 100's 100-FM | 39, 40 |
| Montclair KFM | 26, 27, 28 |
| More 120-F | 37, 38 |
| More 120-FM | 36, 37, 38 |
| Multifilter KF | 33, 34 |
| Multifilter KFM | 32, 33, 34 |



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| BRAND | BUTT LENGTH |
|---|---|
| Newport KFMHP | 28, 29, 30 |
| Newport KFMSP | 28, 29, 30 |
| Newport 100-FM | 34, 35, 36 |
| Newport Lights KFM | 34, 35, 36 |
| Now KFHP | 32, 33, 34 |
| Now KFMHP | 32, 33, 34 |
| Now KFSP | 32, 33, 34 |
| Now KFMSP | 32, 33, 34 |
| Oasis KFM | 27, 28, 29 |
| Old Gold Straights KNF | 23 |
| Old Gold Filters KF | 28, 29, 30 |
| Old Gold 100's 100-F | 35, 36 |
| Old Gold Lights KF | 34, 35, 36 |
| Pall Mall KNF | 23 |
| Pall Mall KF | 26, 27, 28 |
| Pall Mall 100-F | 34, 35, 36 |
| Pall Mall Extra Light KF | 32, 33, 34 |
| Pall Mall Light 100's 100-F | 37, 38, 39 |
| Pall Mall Light 100's 100-FM | 34, 35, 36 |
| Parliament Lights KFHP | 32, 33, 34, 35 |
| Parliament Lights KFSP | 32, 33, 34 |
| Parliament Light 100's 100-F | 39, 40 |
| Philip Morris RNF | 23 |
| Philip Morris Commander KNF | 23 |
| Philip Morris International 100-FHP | 35, 36 |
| Philip Morris International 100-FMHP | 35, 36 |
| Picayune RNF | 23 |
| Piedmont RNF | 23 |
| Players RNF | 23 |
| Raleigh KNF | 23 |
| Raleigh KF | 28, 29, 30 |
| Raleigh 100-F | 34, 35, 36, 37 |
| Raleigh Lights KF | 32, 33, 34 |
| Raleigh Lights 100's 100-F | 39, 40 |
| Real KF | 32, 33, 34 |
| Real KFM | 33, 34 |
| St. Moritz 100-F | 34, 35, 36 |
| St. Moritz 100-FM | 34, 35, 36 |
| Salem KFMHP | 26, 27 |
| Salem KFMSP | 27, 28, 29 |
| Salem 100-FM | 35, 36 |
| Salem Lights KFM | 32, 33, 34 |
| Salem Light 100-FM | 34, 35, 36 |
| Saratoga 120-F | 37, 38, 39 |
| Saratoga 120-FM | 37, 38, 39 |
| Silva Thins 100-F | 34, 35, 36 |
| Silva Thins 100-FM | 34, 35, 36 |
| Spring 100's 100-FM | 33, 34, 35, 36 |
| Tall 120-F | 37, 38, 39 |
| Tall 120-FM | 37, 38, 39 |
| Tareyton KF | 27, 28 |
| Tareyton 100-F | 33, 34, 35, 36 |
| Tareyton Lights KF | 34, 35, 36 |



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| BRAND | BUTT LENGTH |
|---|---|
| Tareyton Long Lights 100-F | 34, 35, 36 |
| Tareyton Ultra Low Tar KFM | 34, 35, 36, 37 |
| Tempo KF | 33, 34 |
| Triumph KF | 34, 35, 36 |
| Triumph KFM | 34, 35, 36 |
| True KF | 33, 34 |
| True KFM | 33, 34 |
| True 100's 100-F | 34, 35, 36 |
| True 100's 100-FM | 34, 35, 36 |
| Twist 100-FM | 34, 35, 36 |
| Vantage KF | 33, 34 |
| Vantage KFM | 32, 34, 35 |
| Vantage 100's 100-F | 34, 35, 36 |
| Vantage Ultra Light KF | 32, 33, 34 |
| Viceroy KF | 28, 29, 30 |
| Viceroy 100 Super Long 100-F | 34, 35, 36 |
| Viceroy Rich Lights KF | 32, 33, 34 |
| Viceroy Rich Lights 100-F | 38, 39, 40 |
| Virginia Slims 100-F | 34, 35, 36 |
| Virginia Slims 100-FM | 34, 35, 36 |
| Virginia Slims Lights 100-FHP | 38, 39, 40 |
| Virginia Slims Lights 100-FMHP | 38, 39, 40 |
| Winston KFHP | 26, 27 |
| Winston KFSP | 27, 28, 29 |
| Winston 100-F | 34, 35, 36 |
| Winston 100-FM | 34, 35, 36, 37, 38 |
| Winston Lights KF | 32, 33, 34 |
| Winston Lights 100's 100-F | 36, 37, 38 |



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